IBM

TSO/ONTOP
V7R3M3 Inst/Cust/Usage Guide

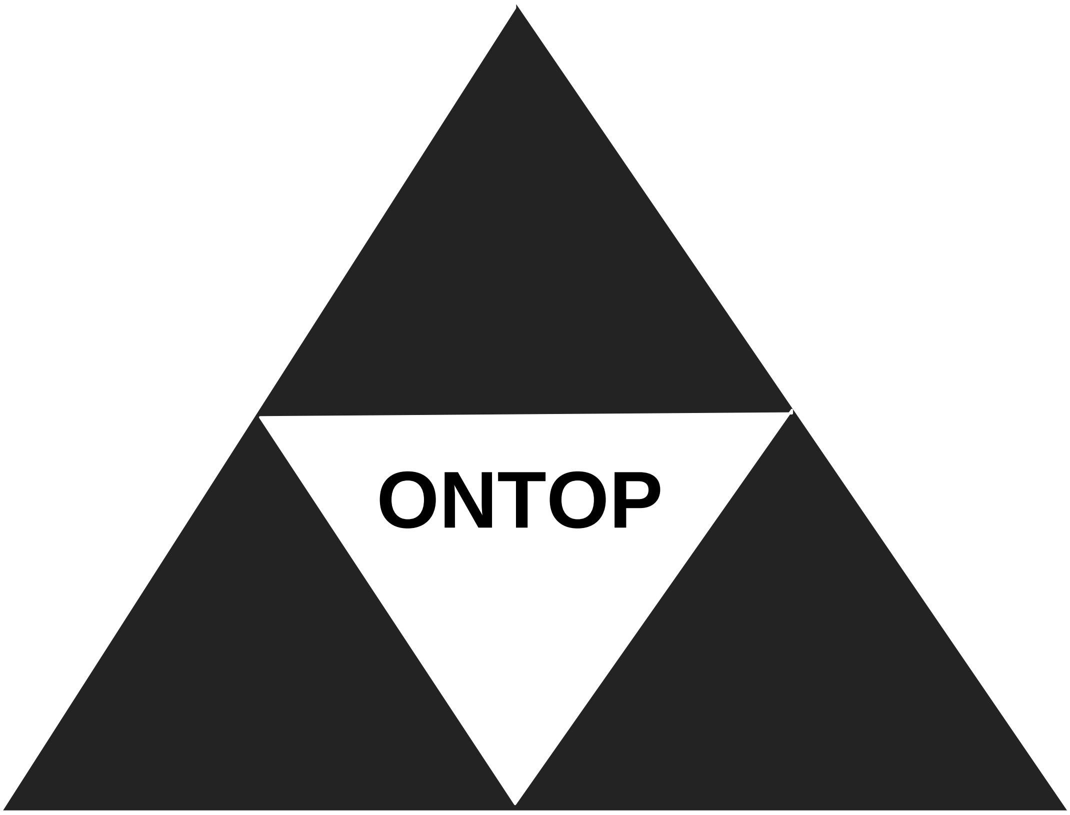

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Table of Contents

1. Positioning of TSO/ONTOP 6

2. Responsibilities/Deliveries/Controls 7

2.1 Contact addresses 7

2.2 Problem Reporting 7

2.3 ONTOP Documentation 7

2.4 ONTOP Code Distribution 7

2.5 ONTOP Change Process 7

3. Copyright 8

4. Software Prerequisites 8

5. ONTOP Online Support 9

5.1 IP-Connection 9

5.2 Non-Switched-Connections (via AT&T) 9

5.3 ONTOP Connection Overview 10

6. ONTOP Security 11

6.1 IBM site 11

6.2 Customer site 11

7. Introduction to TSO/ONTOP 12

7.1 Customize 12

7.2 Browse 12

7.3 EDIT 12

7.4 IPCS 12

7.5 EREP 12

7.6 IND$FILE 13

7.7 TERSE 13

7.8 SDSF 13

7.9 ISPF 13

8. ONTOP startup 14

8.1 ONTOP startup flow 14

8.2 Description of ONTOP startup flow 15

9. ONTOP dump environment switching 17

9.1 ONTOP dump environment switching flow 17

9.2 Description of ONTOP environment switching flow 17

10. Dump Environment Philosophy 18

10.1 Layout of Dump Environment Philosophy 18

10.2 Description of Dump Environment Philosophy 19

11. Examples of Control Tables 20

11.1 Dump Environment Control Table TOPENVT0 20

11.1 Data Set Allocation Control Table TOPENV02 21

12. ONTOP IPCS startup 22

12.1 Layout of ONTOP IPCS startup 22

12.2 Description of ONTOP IPCS startup 23

12.2.1 Program flow of ONTOP IPCS startup 23

13. IPCS points of view 24

13.1 IPCS standard PARMLIB members 24

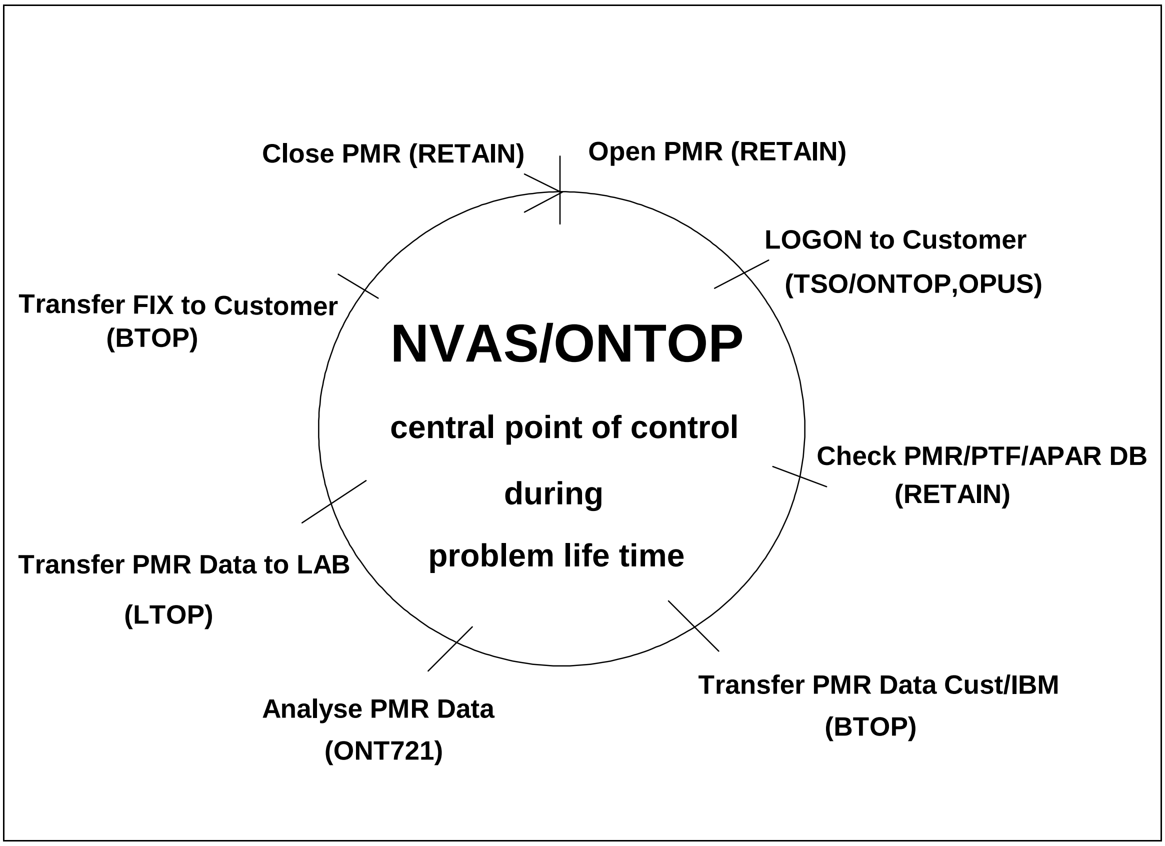
13.2 IPCS component handling 25

13.3 IMBED part for "other" products in BLSCECT 26
13.4 IPCS VERB EXITS at BLSCECTX 26
13.5 IPCS Component panel BLSCOMP 27
13.6 IMS home panel 28
14. ONTOP data set members who matter 29
14.1 JCL 29
14.2 EXEC's 29
14.3 Control Members 29
14.4 ISPF Command Tables 29
15. ONTOP data sets 30
15.1 Permanent Data Sets 30
15.2 TEMP Data Sets 30
16. Steps to prepare the ONTOP environment 31
17. RACF setup for ONTOP data sets 32
17.1 Dedicated HLQ (High Level Qualifier) 32
17.2 Maintenance Userid/Dedicated HLQ (High Level Qualifier) 32
17.3 Work Userids 32
17.4 ONTOP data set access list 32
17.5 Steps to get the RACF environment ready for the ONTOP data sets. 32
17.6 ADD Dataset Profiles 33
17.7 Maintain the access list 34
18. ONTOP userid and password administration 35
18.1 Implementation 35
18.2 Usage 35
19. Loading the ONTOP code 36
19.1 Install ONTOP from Diskette 36
19.2 Remote installation by the ONTOP-Team 37
19.3 Installation via Email 37
20. Adapting control Files 38
20.1 Logon Procedure TOPLOG 38
20.2 Adjust TOPENV01 39
21. Inspecting EXECs 40
21.1 TOPFIRST ONTOP first EXEC 40
21.2 Qualifier EXEC TOPQUAL 42
21.3 TOPPROI ONTOP House Keeping EXEC 43
21.4 TOPIPCSA ONTOP IPCS Allocation EXEC 44
22. ONTOP Customization 45
22.1 Customize Customer Name 46
22.2 Customize Browse Data Sets 46
22.3 Customize the LOGON permission member TOPALLOW 47
22.4 Customize Dump Environment Control Table 48
22.5 Customize Allocation Control Tables TOPENV01-nn 49
22.6 Customization of ONTOP Home Panel TOPHOME 51
22.7 Customize JOBCARD for Split 52
22.8 Customize ONTOP work userids 53
22.9 Customize ONTOP Interface to SDSF 54
22.10 Customize ONTOP Interface to IFX 55
22.11 Customization of ONTOP Command Tables 56
22.12 ISPF Command Table Modification Panel for TOPCMDS 57

22.13 ISPF Command Table Modification Panel for BLSGCMDS 58
23. ONTOP function test 59
23.1 Test ONTOP dump environment switching 59
23.2 Test ONTOP userid/password management 60
24. Important message to the customer 61
25. ONTOP EREP Tailoring 62
25.1 Start at TOPHOME 62
25.2 Start Menu 63
25.3 EREP Tailoring 64
26. ONTOP Interface to customer environment 65
26.1 ONTOP Customer Interface Start EXEC LIBSTART 66
27. Using description 67
27.1 Using ONTOP Browse 68
27.2 Using ONTOP Edit 69
27.3 Using IPCS 70
    27.3.1 Dump Environment Select List 70
    27.3.2 IPCS Primary Option Menu 71
    27.3.3 IPCS Default Values 72
    27.3.4 IPCS Utility Menu 73
    27.3.5 IPCS Subcommand Entry 74
    27.3.6 IPCS Setdef Display 75
    27.3.7 IPCS and printing 76
    27.3.8 IPCS Setdef Display 76
27.4 Using PC UP and Down 77
27.5 Using EREP 78
27.6 EREP Selection Menu 1 79
27.7 EREP Selection Menu 2 80
27.8 Outlist ISPF 3.8 81
27.9 TOPTAD01 EREP Output Reporting 82
27.10 Using IFX 83
27.11 Using TERSE 84
28. Reader's Comments 85

1. Positioning of TSO/ONTOP

TSO/ONTOP is part of the ONTOP framework used by software service experts during the problem solving process. It is a predefined environment on customer systems for failure analysis.
To get the whole picture of the ONTOP concept, the problem solving process is shown and the role TSO/ONTOP is playing in it.
However, in this manual only TSO/ONTOP will be covered.



Used Tools:

1.	NVAS/ONTOP	Central Point of Control
2.	**TSO/ONTOP**	**Analysis of problem data on customer systems**
3.	OPUS	ONTOP administration data
4.	BTOP	Mass data transfer between IBM and customers
5.	ONT721	IBM internal problem analyzing environment
6.	LTOP	IBM internal data transfer environment to the labs
7.	RETAIN	IBM problem reporting tool

The problem solution process is iterative and my need to redo one of the steps.

2. Responsibilities/Deliveries /Controls

2.1 Contact addresses

IBM Deutschland Informationssysteme GmbH
H.-D. Hassinger / A. Damm
Kostenstelle 7420
Gebäudeschlüssel 55131-12
Hechtsheimerstr.2
D-55131 Mainz

2.2 Problem Reporting

In case of problems, please contact => ONTOP Team

Email: ONTOP@de.ibm.com
Telephone: 06131-84-5003
Fax: 06131-84-6611
Retain: PMS(Problem Management Software) Queue ONTOP,203

2.3 ONTOP Documentation

1. ONTOP Antrag für eine IP Verbindung
2. Request for an ONTOP IP connection
3. ONTOP Antrag für eine SNI Verbindung
4. ONTOP Flyer

2.4 ONTOP Code Distribution

ONTOP Code is available via:
1. Remote installation by the ONTOP Team
2. Via Email
3. Via Diskette

2.5 ONTOP Change Process

As TSO/ONTOP runs on customer systems, it is out of IBM control. So every change on a customer system effecting ONTOP should be reported to the ONTOP team. This is done by sending an Email to ONTOP@de.ibm.com. The ONTOP team will do a test to insure the failure analyzing environment is still functional.

3. Copyright

TSO/ONTOP is a facility of IBM Customer Engineering Germany.
All programs, procedures and documentation of TSO/ONTOP are property of IBM Customer Engineering Germany and should not be installed, used, copied, or modified without the approval of IBM. TSO/ONTOP remains property of IBM Customer Engineering after installation at customer site.
If the conditions or requirements for ONTOP Service are no longer valid all procedures, programs and documentation have to be deleted.

4. Software Prerequisites

- OS/390
- TSO/E
- ISPF
- RACF
- OS/390-CS
- JES (optional)
- at least 4 TSO Userids for ONTOP
  1 maintenance userid
  3 failure analysis userids

ONTOP should run on all "field installed" OS/390 releases

5. ONTOP Online Support

As IBM software service experts are located all over the world, it makes no sense to use TSO/ONTOP without having a network connection between IBM/Customer. This is the only way to guarantee, that always the best skill available will be able to work at the problem.
So before installing TSO/ONTOP one of the following network connections should be established.

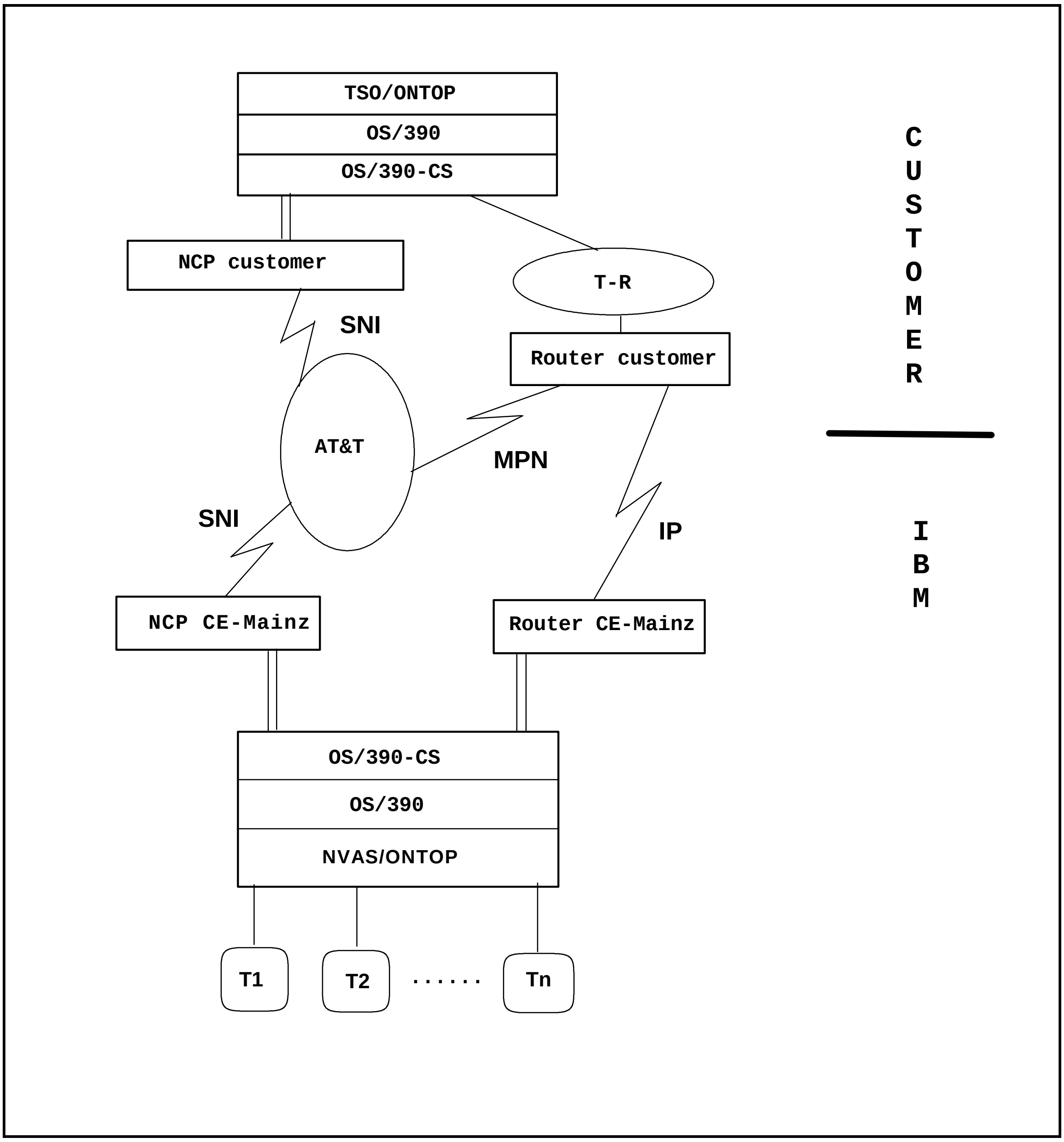
5.1 IP-Connection

This is where the customer just needs the ONTOP connection.
It is an ISDN/PPP/IP dial connection between Mainz and the customer location.

5.2 Non-Switched-Connections (via AT&T)

If a customer is planing to use other IBM services besides ONTOP, he can sign a connect contract with AT&T, to get a non-switched network connection IBM/customer (SNA or IP). ONTOP can participate on the connection established by AT&T.

5.3 ONTOP Connection Overview



Connection Overview

This figure shows the possibilities of remote connections

- NON Switched SNI (SNA via AT&T)
- MPN (SNA or IP via AT&T)
- IP (via IT-Center Mainz)

6. ONTOP Security

All ONTOP connections follow the IBM IES (Inter Enterprice Secuty) gateway guidelines on the IBM site, what means those connections are controlled and documented.

6.1 IBM site

1. Connections to customers only via certified IES gateway
2. Only authorized users can use ONTOP via userid/password
3. All activities will be logged and captured for 60 days
4. All security violations will be traced
5. All customer data is treated "CONFIDENTIAL"

6.2 Customer site

1. Activate Line only on IBM request (switched connections)
2. Install IBM supplied COS entry (SNA Logmode check)
3. Check IBM supplied Terminal-IDs (CDRM/CDRSC coding - SNA connections)
4. Permit ONTOP TSO userid/password only per session
5. Use RACF
6. Modify ONTOP LOGON Procedure (TOPLOG) to your needs
7. Use TOPALLOW for permission, tracking of IBM LOGON
8. Modify ONTOP ISPF Command table (TOPCMDS) to your needs
9. Log activities at your system

Conclusion

The ONTOP environment can be tailored to every individual security need.

7. Introduction to TSO/ONTOP

TSO/ONTOP is a REXX/ISPF application which will be installed on customer systems to set up a predefined failure analysis environment for software service experts.

It consists of the following parts:

7.1 Customize

This is a menu driven environment for doing the ONTOP customization activities.
If the customer follows the IBM suggested password management, then the password administration can also be done here.

7.2 Browse

Here the customer can define up to 5 high level qualifiers for ONTOP to browse.
This is only necessary if direct ISPF access is not allowed.

7.3 EDIT

Own user environment where she/he should be allowed to EDIT it’s own data.

7.4 IPCS

IPCS is used by software service experts to analyze dumps and traces captured for failing software components.
TSO/ONTOP Interactive Problem Control System serves a Multiple Dump Environment (MDE). MDE is the capability of the tool to allow different product level to be analyzed on one system, by allocating the appropriate libraries.
This is achieved by using control tables. There is one environment control table and several data set control tables. Each data set control table reflects a separate environment. All the allocations to the DDnames will be done based on the control table entries.
So with a system complex where data sets are located on shared DASD, ONTOP only needs to be installed once, but has access to the relevant dump data sets of all the systems and can switch between them.

7.5 EREP

More or less a traditional feature of ONTOP. Today's hardware has it’s own error recording facilities and doesn’t use EREP any longer. However, soft records are still processed by EREP, but those can be selected under IPCS as well. So this feature is by default not active under ONTOP, but can be activated, if the customer sees any need in it.

7.6 IND$FILE

Option to exchange data between IBM and customers via PC.

7.7 TERSE

Used to terse data to be exchanged between IBM and customers.

7.8 SDSF

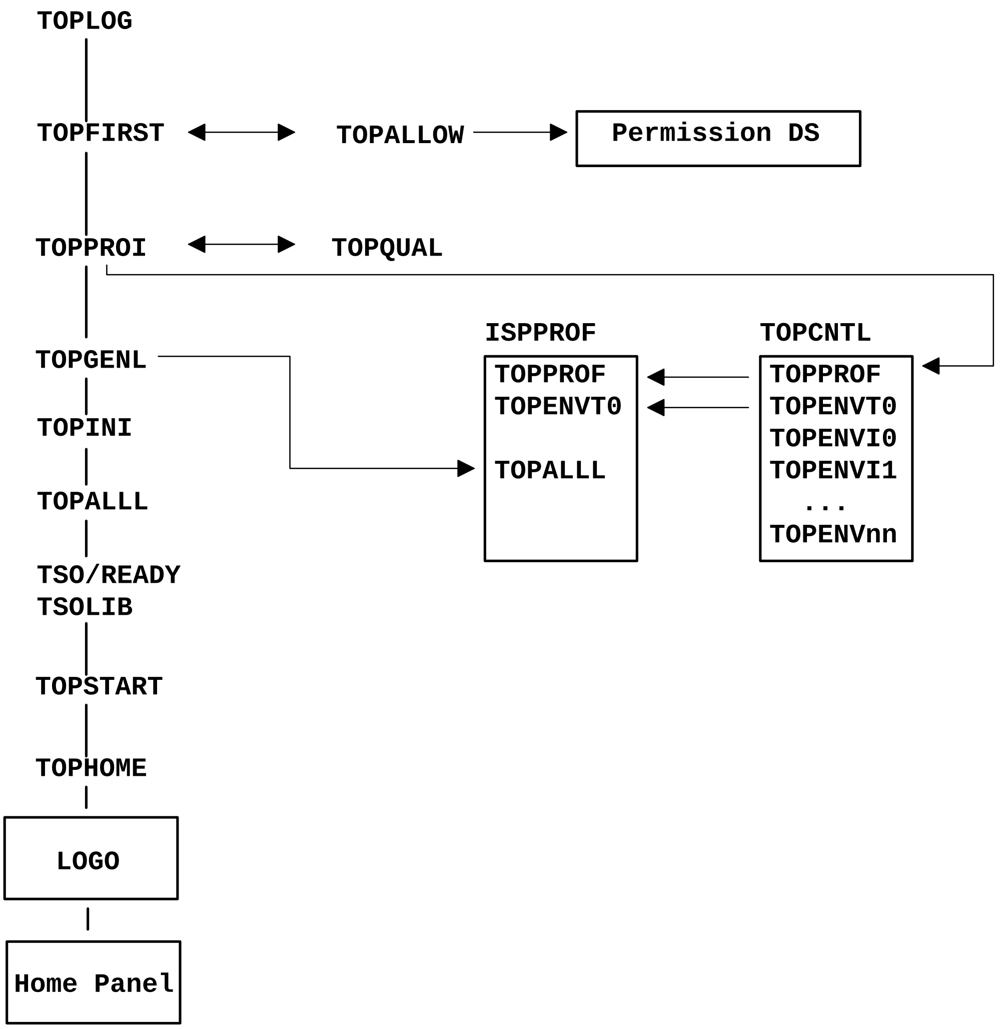
If customer has JES2 installed, then this function should be activated, to allow IBM experts, to have a look to the running system.

7.9 ISPF

ISPF is the standard ISPF environment which is established by calling ISR§PRIM.

8. ONTOP startup

8.1 ONTOP startup flow



ONTOP startup flow

8.2 Description of ONTOP startup flow

This describes the ONTOP startup flow, from the LOGON procedure up to the ISPF environment.

- **TOPLOG**
  TOPLOG is the ONTOP Logon Procedure.
  It allocates the ISPF Clist and the ONTOP Clist to DDname SYSPROC and invokes TOPFIRST.
- **TOPFIRST**
  TOPFIRST is the first ONTOP EXEC. It calls TOPALLOW and TOPPROI.
- **TOPPROI**
  TOPPROI is the EXEC responsible for the house keeping.

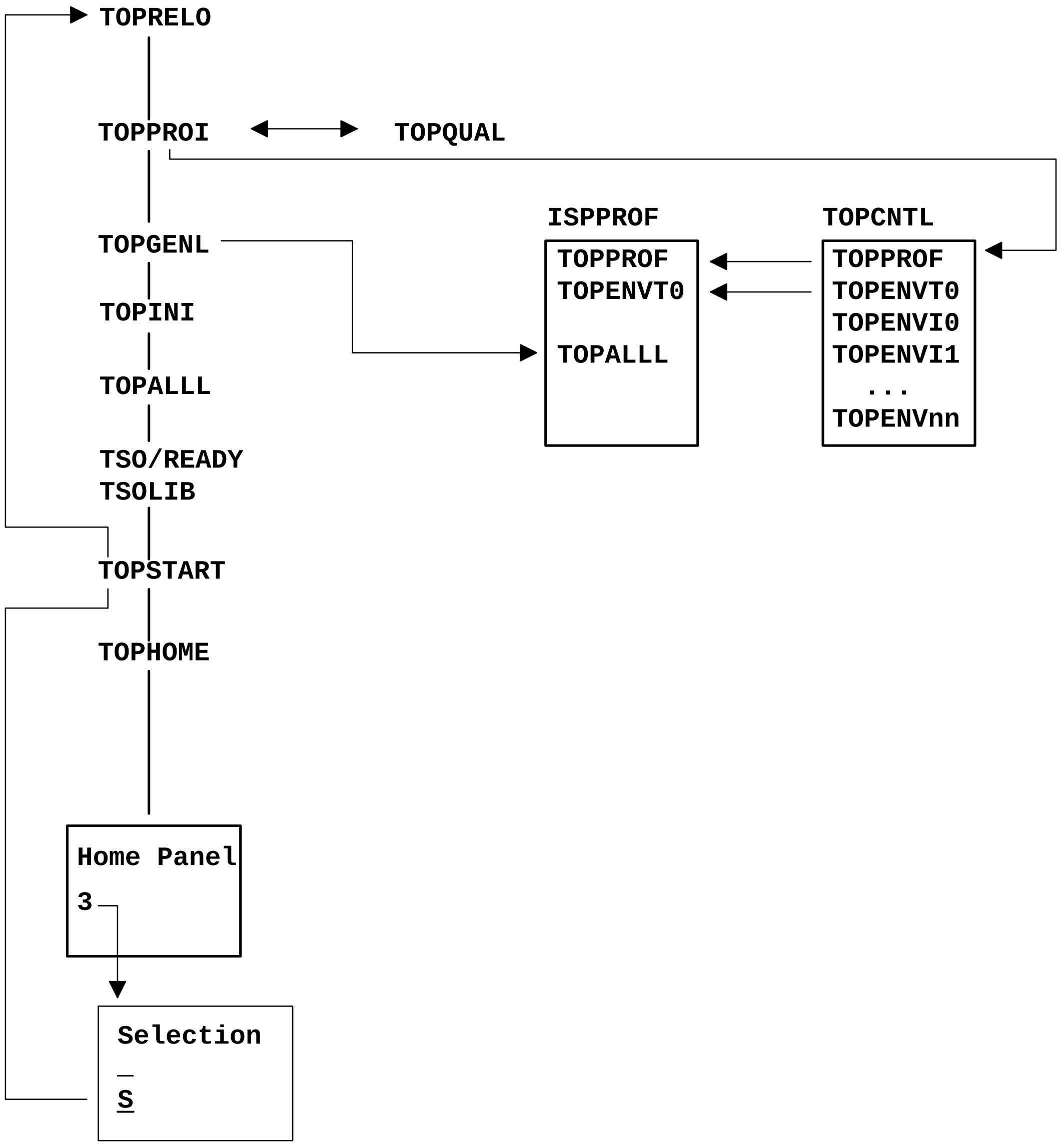
  - It requests ont_pref/ont_prof from TOPQUAL
  - It allocates the ONTOP ISPF Profile
  - It copies member TOPPROF from TOPCNTL to ISPPROF
    (but only, if there is no TOPPROF on ISPPROF)
  - It copies member TOPENVT0 from TOPCNTL to ISPPROF
    (but only, if there is no TOPENVT0 on ISPPROF)
    (or there is a new TOPENVT0 version on TOPCNTL)
  - It invokes TOPGENL the ONTOP allocation EXEC builder
- **TOPQUAL**
  TOPQUAL is a standard routine to provide the ONTOP profile name "ont_prof", the ONTOP prefix "ont_pref" and the ONTOP maintenance userid "ont_main".
- **TOPGENL**
  TOPGENL is the EXEC to generate the ONTOP allocation EXEC TOPALLL.
  TOPALLL is build based on the dump environment control table TOPENVT0 and the related data set allocation control table TOPENVnn, where nn is the environment number given by the asterisk row
  in table TOPENVT0.
  These are the steps done by TOPGENL:

  - read TOPENVT0 (dump environment control table)
  - check TOPENVT0 to find active environment
  - read TOPENVnn data set control table selected by TOPENVT0
  - pick out customer defined libraries
  - check for availability of the libraries
  - build TOPALLL EXEC
  - write TOPALLL EXEC to ONTOP profile data set
- **TOPINI**
  It calls the ONTOP allocation EXEC TOPALLL.

- **TOPALLL**
  This is the EXEC generated by TOPGENL. It allocates all data sets of the selected - in the first place default - dump environment.
  In order to switch the dump environment, TSOLIB is needed, which cannot be executed under REXX.
  So it has to be pushed to run under TSO/READY.
  Also pushed is TOPSTART the ONTOP ISPF starting EXEC.
- **TOPSTART**
  Start ISPF environment
- **TOPHOME**
  Display ONTOP LOGO, ONTOP Base Message and select the ONTOP Home Panel

9. ONTOP dump environment switching

9.1 ONTOP dump environment switching flow



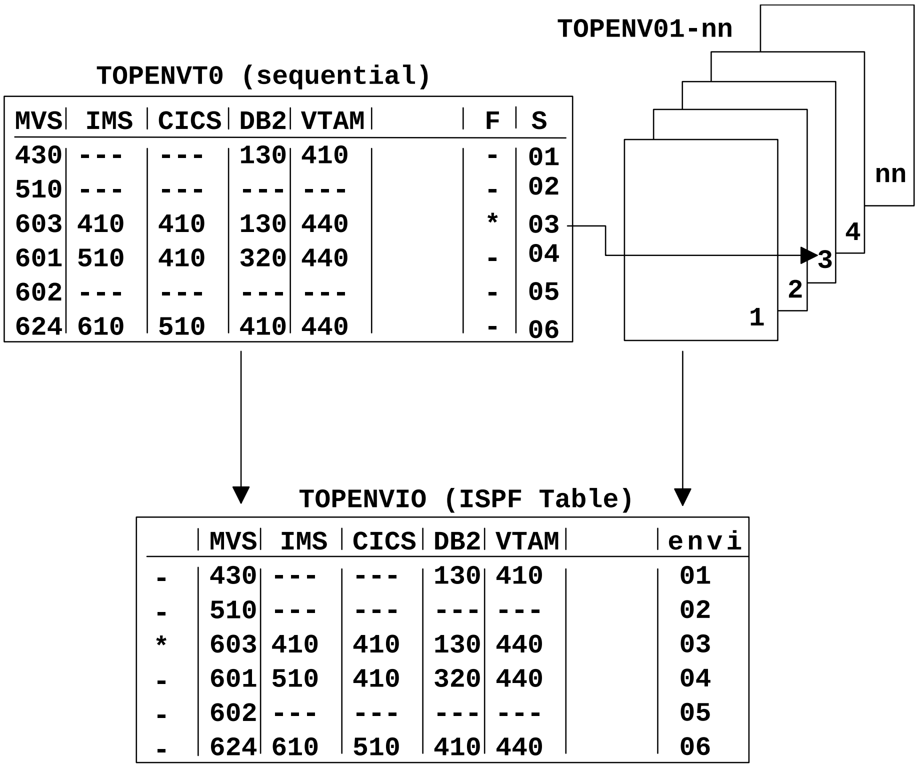
ONTOP environment switching

9.2 Description of ONTOP environment switching flow

This describes how the dump environment is switched.
It is a duplicate of the LOGON flow, except TOPSTART calls TOPRELO which starts the logon phase again with a different data set allocation control table (TOPENVxx).

10.Dump Environment Philosophy

10.1 Layout of Dump Environment Philosophy



TOPENVT0 (sequential)

MVS	IMS	CICS	DB2	VTAM		F	S
430	---	---	130	410		-	01
510	---	---	---	---		-	02
603	410	410	130	440		*	03
601	510	410	320	440		-	04
602	---	---	---	---		-	05
624	610	510	410	440		-	06

TOPENVIO (ISPF Table)

	MVS	IMS	CICS	DB2	VTAM		envi
-	430	---	---	130	410		01
-	510	---	---	---	---		02
*	603	410	410	130	440		03
-	601	510	410	320	440		04
-	602	---	---	---	---		05
-	624	610	510	410	440		06

Dump Environment philosophy

10.2 Description of Dump Environment Philosophy

Based on the environment control table TOPENVT0 and the data set allocation control tables TOPENVnn individual dump environments can be established.
When TOPENVI0 (the ISPF table) is shown to the user, the dump environment reflected by the asterisk is active.
In the example environment 3 is the active one. So all the data sets owned by TOPENV03 will be active.

To switch a dump environment just select a different one and press ENTER. Each environment switch automatically forces an ISPF restart. This is due to the fact that TSOLIB (used to allocate the load libs) only allows to switch allocation under TSO/READY, which is performed transparent to the user during the ISPF restart process.
It is possible to have several different dump environments under one OS/390 level.
The installation standard is 3 environments:

1. bringup
2. default
3. free

The limit is 99.

In order to stay within a reasonable maintenance effort, it is always advisable to keep the environments as small as possible.

Each dump environment is unique.

Environment specific LIBs

- MIGLIB
- PARMLIB
- DUMP Directory
- IPCS Libs
- Product Libs

Fixed LIBs

- ISPF LIBs
- ONTOP LIBs

11. Examples of Control Tables

11.1 Dump Environment Control Table TOPENVT0

```
**TOPENVT0***********************************************************
*                                                                   *
*  DUMP ENVIRONMENT SELECTION TABLE                                 *
*                                                                   *
*  HINWEIS: ASTERISK IN COLUMN 1 MEANS COMMENT.                     *
*           A NEW ENVIRONMENT SHOULD ALWAYS BE PLACED AT THE END    *
*           OF THE TABLE.                                           *
*           THE ASTERISK UNDER COLUMN "F" SHOULD NOT BE MOVED AND   *
*           ALWAYS POINT TO THE BRINGUP ENVIRONMENT.                *
*           UNUSED FIELDS MUST BE PADDED BY DASHES (-)              *
*                                                                   *
*  BY DEFAULT, THERE ARE 3 ENVIRONMENTS AVAILABLE.                  *
*  ENVIRONMENT 1 IS THE BRINGUP ENVIRONMENT JUST USING THE ONTOP,   *
*  ISPF AND IPCS LIBRARIES. THIS IS TO MAKE SURE ONTOP CAN ALWAYS   *
*  BE STARTED. PLEASE MODIFY THE USED DATASETS IN TABLE TOPENV01    *
*  TO REFLECT THE DATSETS ON YOUR SYSTEM.                           *
*  ENVIRONMENT 2 IS AN EXAMPLE AND SHOULD BE MODIFIED ACCORDING     *
*  THE PRODUCT LEVELS INSTALLED ON THE SYSTEM. IN TABEL TOPENV02    *
*  YOU MUST CHANGE THE DEFAULT DATASETS AND ADD THE PRODUCT         *
*  DATASETS.                                                        *
*  ALL THE OTHER INVIRONMENTS, UP TO 99, CAN BE USED FOR ALL KIND   *
*  OF DIFFERENT ANALYZING SZENARIOS.                                *
*  THE PREDIFINED TABLE TOPENV03 SHOULD BE CHECKED AND EVEN IF NOT  *
*  USED MODIFIED ACCORDING TO THE SYSTEM ENVIRONMENT.               *
*                                                                   *
*  AFTER FINISHING WITH THIS TABLE AND ALL THE DATASET CONTROL      *
*  TABLES TOPENV01 - TOPENVNN, PLEASE USE ONTOP OPTION 3 AND        *
*  SWITCH OVER ALL ENVIRONMENTS, TO MAKE SURE YOU DID NOT ADD       *
*  INVALID DATSETS.                                                 *
*                                                                   *
*********************************************************************
*
*/390! IMS ! CICS! DB2 ! JES2! VTAM!TCPIP! MQS ! COMMENT   ! F ! S  !
*-------------------------------------------------------------------!
 TOP ! TOP ! TOP ! TOP ! TOP ! TOP ! TOP ! TOP ! BRINGUP   ! * ! 01 !
 603 ! 410 ! 410 ! 410 ! 130 ! 440 ! 320 ! ??? ! /390 2.03 ! - ! 02 !
 608 ! 610 ! 610 ! 610 ! 208 ! 208 ! 208 ! ??? ! /390 2.08 ! - ! 03 !
 703 ! 610 ! 610 ! 610 ! 210 ! 210 ! 210 ! ??? ! /390 2.10 ! - ! 04 !
*-------------------------------------------------------------------!
```

Dump environment control table TOPENVT0

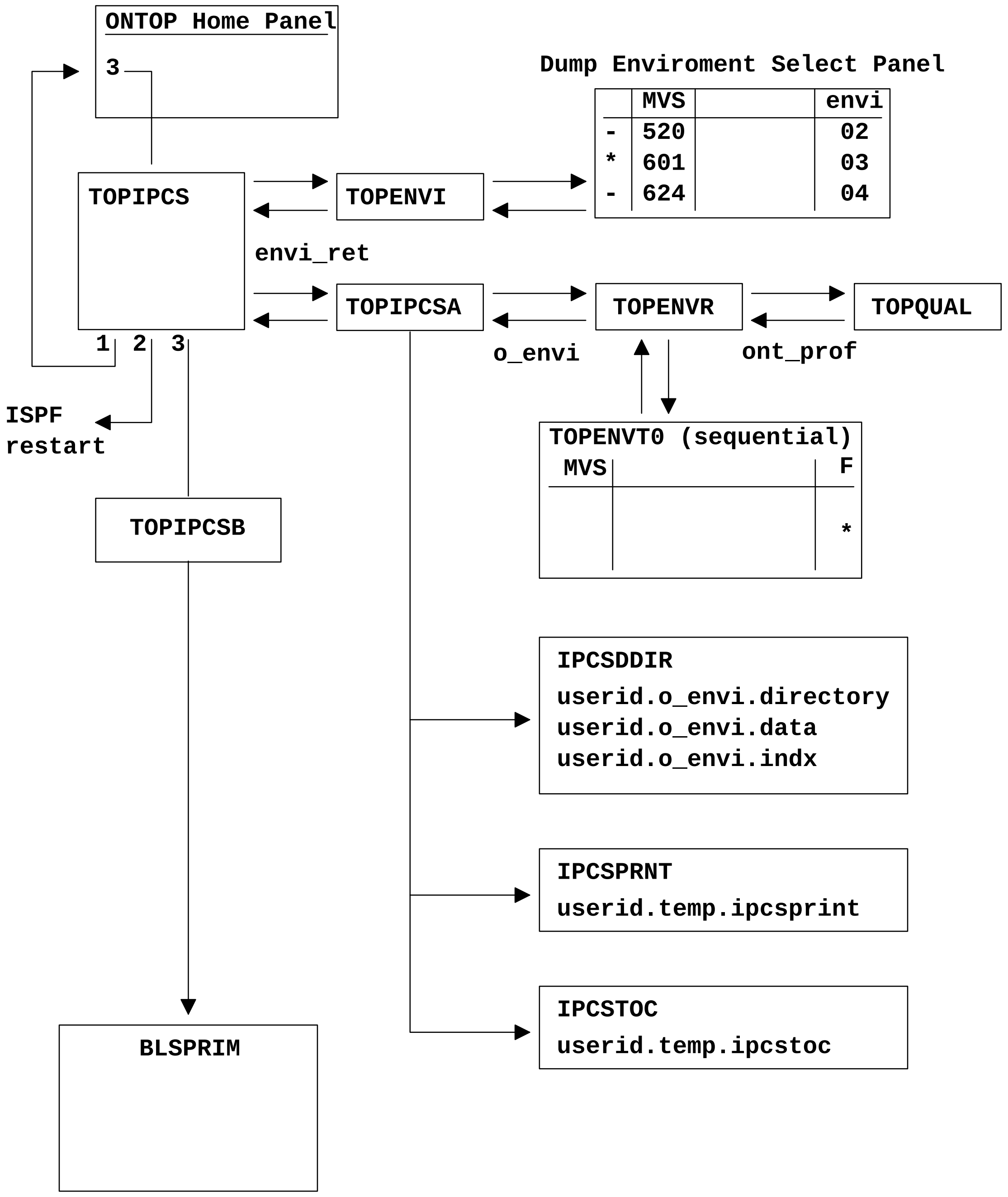
11.1 Data Set Allocation Control Table TOPENV02

```
**TOPENV02**************************************************************
*                                                                      *
* DATA SET ALLOCATION CONTROL TABLE                                    *
*                                                                      *
* HINWEIS: ASTERISK IN COLUMN 1 MEANS COMMENT.                         *
*                                                                      *
* The following product levels will be covered by this table:         *
* OS/390 603                                                           *
* IMS    410                                                           *
* DB2    410                                                           *
* CICS   410                                                           *
* JES2   130                                                           *
* VTAM   440                                                           *
* TCPIP  320                                                           *
*                                                                      *
************************************************************************
*                                            /*                       */
* ISPCLIB                                    /* CLISTS/REXX           */
ONTOP.V7R3M3.ISPCLIB                         /* ONTOP CLISTS          */
ISP.SISPCLIB                                 /* ISPF  CLISTS          */
OS603.SBLSCLI0                               /* IPCS  CLISTS          */
SYS1.SISTCLS1                                /* VTAM  CLISTS          */
IMS.V4R1M0.DFSCLST                           /* IMS   CLISTS          */
*                                            /*                       */
* ISPPLIB                                    /* PANEL LIBRARIES       */
ONTOP.V7R3M3.ISPPLIB                         /* ONTOP PANELS          */
ISP.SISPPENU                                 /* ISPF  PANELS          */
OS603.SBLSPNL0                               /* IPCS  PANLES          */
IMS.V4R1M0.DFSPLIB                           /* IMS   PANLES          */
*                                            /*                       */
* ISPMLIB                                    /* MESSAGE LIBRARIES     */
ONTOP.V7R3M3.ISPMLIB                         /* ONTOP MESSAGES        */
ISP.SISPMENU                                 /* ISPF  MESSAGES        */
OS603.SBLSMSG0                               /* IPCS  MESSAGES        */
IMS.V4R1M0.DFSMLIB                           /* IMS   Messages        */
*                                            /*                       */
* ISPSLIB                                    /* SKELETON LIBRARIES    */
ONTOP.V7R3M3.ISPSLIB                         /* ONTOP SKELETONS       */
ISP.SISPSENU                                 /* ISPF  SKELETONS       */
ISP.SISPSLIB                                 /* ISPF  SKELETONS       */
OS603.SBLSKEL0                               /* IPCS  SKELETONS       */
IMS.V4R1M0.DFSSLIB                           /* IMS   Skeletons       */
*                                            /*                       */
* ISPTLIB                                    /* TABLE INPUT LIBRARIES */
ONTOP.V7R3M3.ISPTLIB                         /* ONTOP TABLES          */
ISP.SISPTENU                                 /* ISPF  TABLES          */
OS603.SBLSTBL0                               /* IPCS  TABLES          */
IMS.V4R1M0.DFSTLIB                           /* IMS   Tables          */
*                                            /*                       */
* IPCSPARM                                   /* IPCS CONTROL MEMBER   */
OS603.PARMLIB                                /* MVS PARMLIB           */
*                                            /*                       */
* TSOLIB                                     /* LOAD MODULES          */
OS603.MIGLIB                                 /* IPCS MODULES          */
IMS.V4R1M0.RESLIB                            /* IMS   MODULES         */
DB2.V4R1M0.SDSNLOAD                          /* DB2   MODULES         */
CICS.V4R1M0.SDFHLINK                         /* CICS  MODULES         */
SYS1.V1R3M0.SAHSMIG                          /* JES   MODULES         */
SYS1.V4R4M0.VTAMLIB                          /* VTAM  MODULES         */
TCPIP.V3R2M0.SEZAMIG                         /* TCPIP MODULES         */
ONTOP.V7R3M3.TOPTERS                         /* TRSMAIN LIB           */
                                             /*                       */
* END                                        /*                       */
```

Data set allocation table for enviroment 02

12. ONTOP IPCS startup

12.1 Layout of ONTOP IPCS startup



IPCS startup

12.2 Description of ONTOP IPCS startup

IPCS is invoked from the ONTOP home panel by selecting option number 3.
To have one dump directory per environment, each time IPCS is started the environment variable "o_envi" is picked up from TOPENVT0 the sequential dump control table located on ISPPROF.
Based on this information IPCSDDIR is allocated.

12.2.1 Program flow of ONTOP IPCS startup

- **TOPIPCS**
  TOPIPCS calls TOPENVI to show the environment selection panel to the user. Then it checks the variable envi_ret and based on it,
  - (1) returns to the ONTOP Home Panel - PF03 was pressed
  - (2) restarts ISPF - new environment was selected
  - (3) starts TOPIPCSB - ENTER was pressed

- **TOPENVI**
  TOPENVI maintains the DUMP environment control table.
  First, the sequential control table TOPENVT0 on ISPPROF is read, and the ISPF table TOPENVI0 is build and displayed.
  If the user decides to change the current dump environment by using select and hitting "ENTER", then the sequential table TOPENVT0 is rebuild and an ISPF restart is performed. If the user decides to go on, he just gets passed to IPCS.

- **TOPIPCSA**
  TOPIPCSA calls TOPENVR to read TOPENVT0 to retrieve the active environment variable o_envi. Based on this variable the IPCS data sets will be allocated.

- **TOPENVIR**
  TOPENVIR calls TOPQUAL to retrieve ont_prof (Profile prefix), then it reads TOPENVT0 (the dump environment control table) to find the active dump environment to pass it back to the caller as variable "o_envi".

- **TOPQUAL**
  TOPQUAL is a standard routine which can be called from everybody in order to retrieve the ONTOP profile name "ont_prof" and ONTOP prefix "ont_pref".

- **TOPIPCSB**
  TOPIPCSB is the IPCS environment preparation EXEC. It
  - sets PF-Keys for IPCS
  - manipulates IPCS settings
  - starts IPCS

13. IPCS points of view

13.1 IPCS standard PARMLIB members

To have a smooth and clean dump environment, it is not only necessary to have individual data sets for each dump environment, also the set up for each individual environment has to be focused on.
Here it is not possible, to live without GC28-1461, the IPCS customization manual.
So some attention should be given to the most important IPCS Members in the PARMLIB.

- **IPCSPRxx**
  The IPCSPRxx member defines IPCS session parameters.

- **BLSCECT**
  BLSCECT is an IBM-supplied default member of SYS1.PARMLIB. This default member embeds BLSCECTX, other IBM-supplied parmlib members and BLSCUSER.
- **BLSCECTX**
  BLSCECTX is an IBM-supplied default member of SYS1.PARMLIB.
  This member specifies the format exit routines for IBM programs not in the base system. This member also embeds other IBM-supplied parmlib members used by MVS components to define their IPCS support.

- **BLSCUSER**
  BLSCUSER is an optional parmlib member an installation can create and use for customization. IBM does not supply a BLSCUSER member.

13.2 IPCS component handling

OS/390 components like CICS, IMS, DB2, JES2 ..... need special treatment.
Here are some examples.

- **CICS (DFHIPCSP)**
  DFHIPCSP is the CICS component exit member located in hlq.DFHPARM. It has to be allocated to the DD-Name IPCSPARM.
  The formatting routines of hlq.DFHLINK must be active.

- **IMS (DFSIPCSP)**
  DFSIPCSP is the IMS component exit member located in hlq.MACLIB. It has to be allocated to the DD-Name IPCSPARM.
  The formatting routines of hlq.RESLIB must be active.

- **JES2 (HASLIPCS)**
  HASLIPCS is the JES2 component exit member located in hlq.SHASPARM. It has to be allocated to the DD-Name IPCSPARM.
  The formatting routines of hlq.SHASMIG must be active.

- **JES3 (IATIPCSP)**
  IATIPCSP is the JES3 component exit member located in hlq.SIATPARM. It has to be allocated to the DD-Name IPCSPARM.
  The formatting routines of hlq.SIATMIG must be active.

13.3 IMBED part for "other" products in BLSCECT

```
                                                                        06752400
/* ----------------------------------------------------------------- */ 06756200
/* IMBED statements for other products are placed after those for   */ 06762400
/* the MVS/System Product but before BLSCUSER and BLSCECTX to       */ 06768600
/* ensure that the basic facilities provided in these products are  */ 06774800
/* not regressed by any definitions in the latter members.          */ 06781000
/* ----------------------------------------------------------------- */ 06787200
                                                                        06793400
   IMBED MEMBER(HASLIPCS) ENVIRONMENT(ALL) /* JES2               &P6M*/ 06795600
   IMBED MEMBER(IATIPCSP) ENVIRONMENT(ALL) /* JES3               &P6M*/ 06797800
   IMBED MEMBER(IGDIPCSP) ENVIRONMENT(ALL) /* DFP                &L1A*/ 06800000
   IMBED MEMBER(DFSIPCSP) ENVIRONMENT(ALL) /* IMS                &L1A*/ 06850000
   IMBED MEMBER(DXRIPCSP) ENVIRONMENT(ALL) /* IRLM               &L1A*/ 06900000
   IMBED MEMBER(DSNIPCSP) ENVIRONMENT(ALL) /* DB2                &L1A*/ 06950000
   IMBED MEMBER(ISPIPCSP) ENVIRONMENT(ALL) /* ISPF               &L1A*/ 07000000
   IMBED MEMBER(IKJIPCSP) ENVIRONMENT(ALL) /* TSO/E              &L1A*/ 07050000
   IMBED MEMBER(IGWIPCSP) ENVIRONMENT(ALL) /* DFP                &L4A*/ 07050900
   IMBED MEMBER(DFHIPCSP) ENVIRONMENT(ALL) /* CICS               &DAA*/ 07051800
   IMBED MEMBER(CSFIPCSP) ENVIRONMENT(ALL) /* CSF                &05A*/ 07052700
   IMBED MEMBER(BPXIPCSP) ENVIRONMENT(IPCS) /* OpenMVS           &L6A*/ 07053600
   IMBED MEMBER(CEEIPCSP) ENVIRONMENT(IPCS) /* LE/370            &07A*/ 07054500
   IMBED MEMBER(EZAIPCSP) ENVIRONMENT(IPCS) /* TCP/IP            &07A*/ 07055400
                                                                        07056600
```

IPCS imbed members for "other" products

This is an example of the component part in Member BLSCECT at PARMLIB.

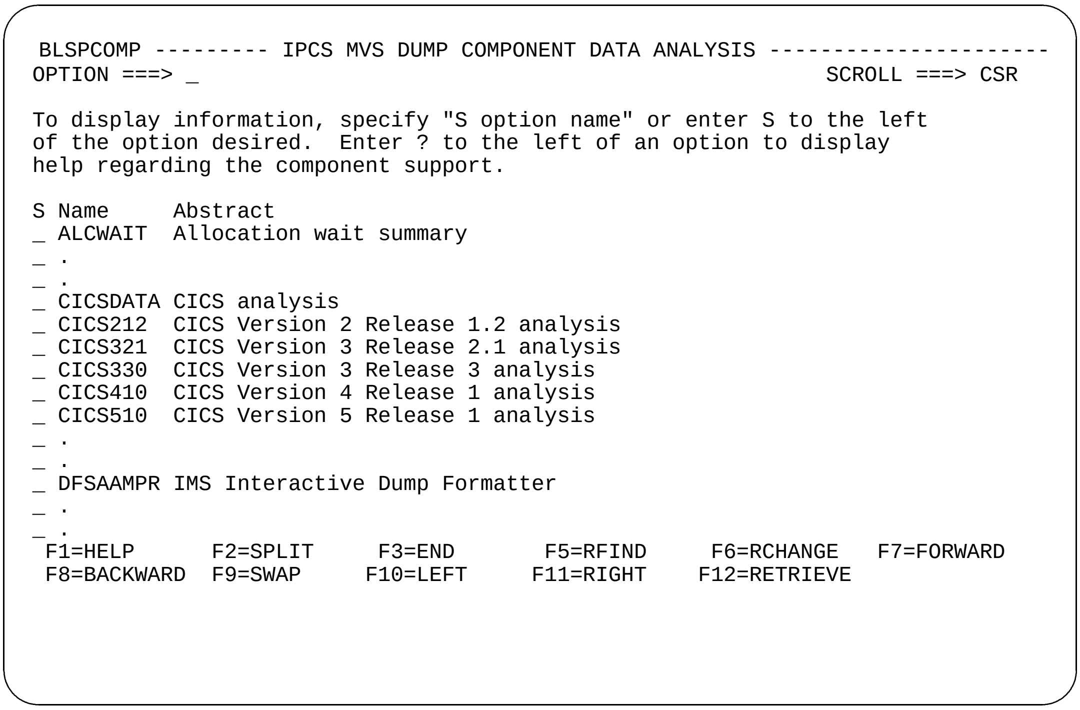
13.4 IPCS VERB EXITS at BLSCECTX

```
                                                                         06752400
                                                                         00050000
                                                                         00694200
/* ================================================================= */  00695900
/* IPCS Verb Exits                                                   */  00700000
/* ================================================================= */  00750000
                                                                         00800000
EXIT EP(DSNWDPRD) VERB(DB2DATA,DSNWDMP) ABSTRACT('DB2 analysis') +       00850000
    PARM('TT,ALL,SUMDUMP=YES,SUBSYS=DSN') /*                 &01C*/      00900000
EXIT EP(DFSOFMD0) VERB(IMSDUMP) ABSTRACT('IMS analysis') /*  &01C*/      00950000
EXIT EP(DXRRLM50) VERB(IRLM) AMASK(X'00FFFFFF') ABSTRACT(+               01000000
    'IMS Resource Lock Manager analysis') /*                 &01C*/      01050000
EXIT EP(HASPBLKS) VERB(JES2) ABSTRACT('JES2 analysis') /*    &01C*/      01100000
EXIT EP(IATABPR) VERB(JES3) ABSTRACT('JES3 analysis') /*     &01C*/      01150000
EXIT EP(IEDPRDMP) VERB(TCAMMAP) AMASK(X'00FFFFFF') ABSTRACT(+            01200000
    'TCAM control block analysis') /*                        &01C*/      01250000
EXIT EP(IGDERRIP) VERB(SMSDATA) ABSTRACT(+                               01300000
    'SMS control block analysis') /*                         &01C*/      01350000
EXIT EP(IKJVETSO) VERB(TSODATA) ABSTRACT('TSO analysis') /*  &P1A*/      01375000
EXIT EP(ISTRAFD1) VERB(VTAMMAP) AMASK(X'00FFFFFF') ABSTRACT(+            01400000
    'VTAM control block analysis') /*                        &01C*/      01450000
                                                                         01500000
```

IPCS imbed members for "other" products

This is an example of VERB EXITS in Member BLSCECTX in PARMLIB.

13.5 IPCS Component panel BLSCOMP



```
 BLSPCOMP --------- IPCS MVS DUMP COMPONENT DATA ANALYSIS ----------------------
OPTION ===> _                                                      SCROLL ===> CSR

To display information, specify "S option name" or enter S to the left
of the option desired.  Enter ? to the left of an option to display
help regarding the component support.

S Name     Abstract
_ ALCWAIT  Allocation wait summary
_ .
_ .
_ CICSDATA CICS analysis
_ CICS212  CICS Version 2 Release 1.2 analysis
_ CICS321  CICS Version 3 Release 2.1 analysis
_ CICS330  CICS Version 3 Release 3 analysis
_ CICS410  CICS Version 4 Release 1 analysis
_ CICS510  CICS Version 5 Release 1 analysis
_ .
_ .
_ DFSAAMPR IMS Interactive Dump Formatter
_ .
_ .
 F1=HELP      F2=SPLIT     F3=END       F5=RFIND     F6=RCHANGE   F7=FORWARD
 F8=BACKWARD  F9=SWAP     F10=LEFT     F11=RIGHT    F12=RETRIEVE
```

Panel

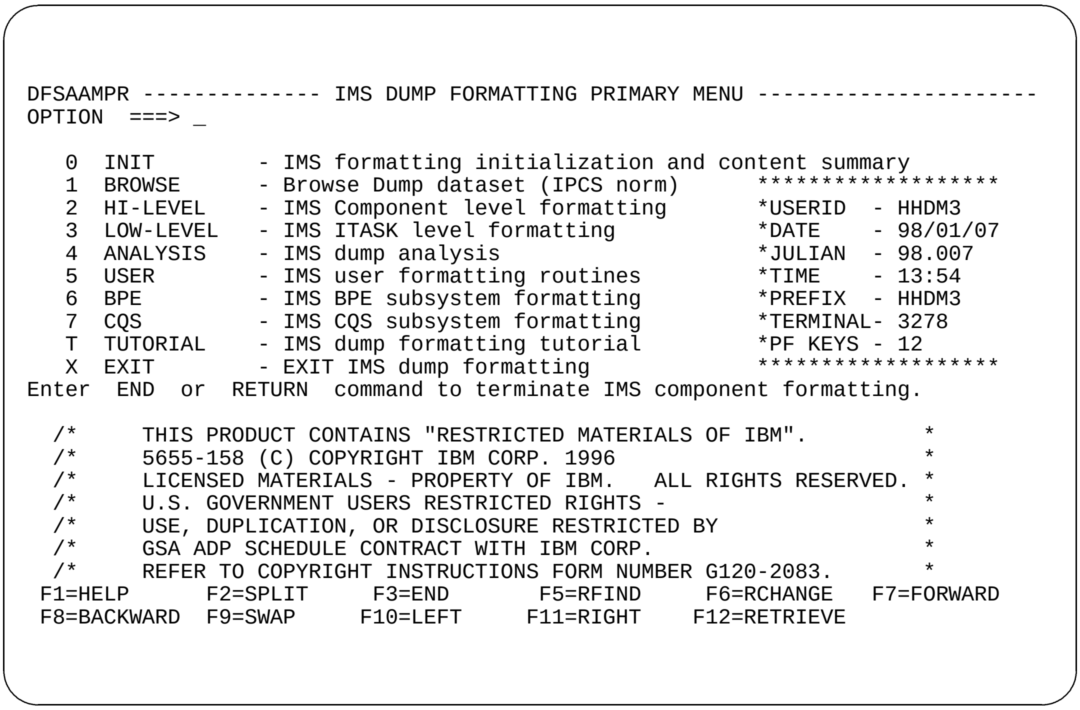
This panel shows the component selection list, after allocating DFHIPCSP for CICS and DFSIPCSP for IMS to DD-Name IPCSPARM.

CICS
CICS212, CICS321, CICS330, CICS410, CICS510 reflects to the CICS environment and tells the user that all the related formatting routines DFHPD212, DFHPD321, DFHPD330, DFHPD410 are available.

IMS
DFSAAMPR is the IMS primary menu for dump analysis. In the IMS environment the following data sets have to be allocated:

Dsname	DDNAME
hlq.DFSCLST	PROCLIB
hlq.DFSPLST	ISPPLIB
hlq.DFSMLST	ISPMLIB
hlq.DFSSLST	ISPSLIB
hlq.DFSTLST	ISPTLIB
hlq.RESLIB	TSOLIB

13.6 IMS home panel



```
DFSAAMPR -------------- IMS DUMP FORMATTING PRIMARY MENU ----------------------
OPTION  ===> _

   0  INIT        - IMS formatting initialization and content summary
   1  BROWSE      - Browse Dump dataset (IPCS norm)      *******************
   2  HI-LEVEL    - IMS Component level formatting       *USERID  - HHDM3
   3  LOW-LEVEL   - IMS ITASK level formatting           *DATE    - 98/01/07
   4  ANALYSIS    - IMS dump analysis                    *JULIAN  - 98.007
   5  USER        - IMS user formatting routines         *TIME    - 13:54
   6  BPE         - IMS BPE subsystem formatting         *PREFIX  - HHDM3
   7  CQS         - IMS CQS subsystem formatting         *TERMINAL- 3278
   T  TUTORIAL    - IMS dump formatting tutorial         *PF KEYS - 12
   X  EXIT        - EXIT IMS dump formatting             *******************
Enter  END  or  RETURN  command to terminate IMS component formatting.

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  /*     USE, DUPLICATION, OR DISCLOSURE RESTRICTED BY                *
  /*     GSA ADP SCHEDULE CONTRACT WITH IBM CORP.                     *
  /*     REFER TO COPYRIGHT INSTRUCTIONS FORM NUMBER G120-2083.       *
 F1=HELP      F2=SPLIT     F3=END       F5=RFIND     F6=RCHANGE   F7=FORWARD
 F8=BACKWARD  F9=SWAP     F10=LEFT     F11=RIGHT    F12=RETRIEVE
```

Panel

14. ONTOP data set members who matter

14.1 JCL

ONTOP JCL is located on "prefix.TOPCNTL"

- TOPLOG => ONTOP LOGON Procedure

14.2 EXEC's

ONTOP EXECs are located on "prefix.ISPCLIB"

- TOPFIRST => activate TOPALLOW
- TOPQUAL => check ONTOP qualifiers
- TOPPROI => check for STORCLAS, MGMNTCLAS, DATACLAS
- TOPIPCSA => check for STORCLAS, MGMNTCLAS, DATACLAS

14.3 Control Members

ONTOP control files are located on "prefix.TOPCNTL"

- TOPENVT0 => dump environment control table (sequential)
- TOPENVI0 => dump environment control table (ISPF)
- TOPENVnn => data set control tables
- TOPBRO => allowed Browse data sets control table
- CUSNAM => customer name
- TOPALLOW => logon permission data set
- JOBCARD => jobcard for data set split

14.4 ISPF Command Tables

ONTOP ISPF command tables are located on "prefix.ISPTLIB"

- TOPCMDS => ONTOP command table
- BLSGCMDS => IPCS command table

15. ONTOP data sets

15.1 Permanent Data Sets

- prefix.ISPCLIB => Clists and EXECs
- prefix.ISPPLIB => Panels
- prefix.ISPMLIB => Messages
- prefix.ISPSLIB => Skeletons
- prefix.ISPTLIB => Command Tables
- prefix.TOPCNTL => Control Members
- Prefix.TOPTERS => TRSMAIN (TERSE)

Note
ONTOP permanent data sets shouldn't get migrated, or deleted.

15.2 TEMP Data Sets

- userid.ONTOP.ISPPROF => ONTOP PROFILE
- userid.IPCS.IPCSPRNT => IPCS print data set
- userid.IPCS.IPCSTOC => IPCS Table Of Contents data set
- userid.ENVInn.DIRECTORY => IPCS environment dump directory
- userid.ENVInn.DATA => data part of dump directory
- userid.ENVInn.INDX => index part of dump directory
- userid.ONTOP.EREP.OUTPUT.OTHER => non TREND/EXCEPT data
- userid.ONTOP.EREP.OUTPUT.TREND => Trend data
- userid.ONTOP.EREP.OUTPUT.EXCEPT => Exception data
- userid.ONTOP.EREP.OUTPUT.TOURIST => EREP run data

Note
ONTOP temporary data sets should not get migrated.
Better have them deleted before SMS does move them.

16. Steps to prepare the ONTOP environment

1. Pre-Activity

- Have at least 1 maintenance userid and 3 work userids ready for ONTOP
- ONTOP Userids should have a region size of 256MB
- Do the RACF setup for ONTOP

2. **Load ONTOP code from PC to Host-Side (see “Loading ONTOP”)**
All ONTOP JCL files are in prefix.TOPCNTL

3. **Adapt control files to your system environment**
All ONTOP control files are in prefix.TOPCNTL

- Move Logon Procedure TOPLOG to PROCLIB and adjust to your system
- Adjust TOPENV01 according to your needs

4. Inspect the EXECs that count
All ONTOP EXECs are in prefix.ISPCLIB

- see TOPFIRST with respect to TOPALLOW usage
- see TOPQUAL with respect to the prefixes you are using
- see TOPPROI with respect to data set allocation
- see TOPIPCSA with respect to data set allocation

5. Customization of ONTOP

- see customization part and online help under Customization

6. Do an ONTOP function test

- see ONTOP function test

7. Tailoring for EREP

- See Online Help under Tailoring

Activities 1 to 4 are necessary to activate ONTOP
Activities 5 to 7 are necessary to be able to use ONTOP

17. RACF setup for ONTOP data sets

17.1 Dedicated HLQ (High Level Qualifier)

It is recommended to use a dedicated High Level Qualifier for ONTOP data sets on customer systems. Preferred is “ONTOP.*”. If this is not possible, the alternative would be “customer_hlq.ONTOP.*”
So all data belonging to ONTOP should be found under this HLQ.

17.2 Maintenance Userid/Dedicated HLQ (High Level Qualifier)

There must be a maintenance userid to maintain the ONTOP environment.
This userid should have ALTER access to the ONTOP HLQ.

17.3 Work Userids

Those are the userids used by IBM software service for failure analysis. They need only READ access to the ONTOP data sets.

17.4 ONTOP data set access list

	User-ID Access			
DS-Name	maint. User-ID	work Uid01	....	work Uidnn
prefix.ISPCLIB	alter	read		read
prefix.ISPPLIB	“	“		“
prefix.ISPMLIB	“	“		“
prefix.ISPSLIB	“	“		“
prefix.ISPTLIB	“	“		“
prefix.TOPCNTL	“	“		“
prefix.TOPTERS	“	“		“

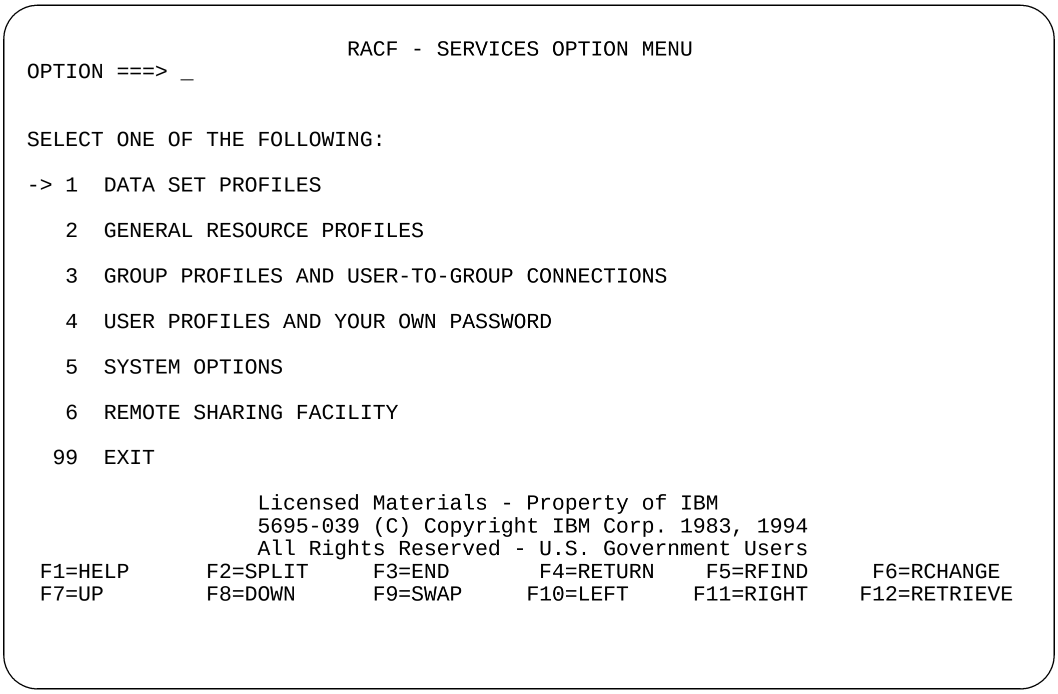
17.5 Steps to get the RACF environment ready for the ONTOP data sets.

- **Add a profile**
  This has to be done for each ONTOP data set.
- **Maintain the access list**
  This has to be done for each user, or just once for a group when all ONTOP users are put into a group, what is recommended.
  However, the maintenance user always needs to be handled separately, as he needs alter to the ONTOP data sets.

The next pages give a brief overview about this.

Attention: “Add a group profile” and “Add or change a user connection” is not explained.

17.6 ADD Dataset Profiles



```
                         RACF - SERVICES OPTION MENU
OPTION ===> _

SELECT ONE OF THE FOLLOWING:

-> 1  DATA SET PROFILES

   2  GENERAL RESOURCE PROFILES

   3  GROUP PROFILES AND USER-TO-GROUP CONNECTIONS

   4  USER PROFILES AND YOUR OWN PASSWORD

   5  SYSTEM OPTIONS

   6  REMOTE SHARING FACILITY

  99  EXIT

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                  All Rights Reserved - U.S. Government Users
 F1=HELP      F2=SPLIT     F3=END       F4=RETURN    F5=RFIND     F6=RCHANGE
 F7=UP        F8=DOWN      F9=SWAP     F10=LEFT     F11=RIGHT    F12=RETRIEVE
```

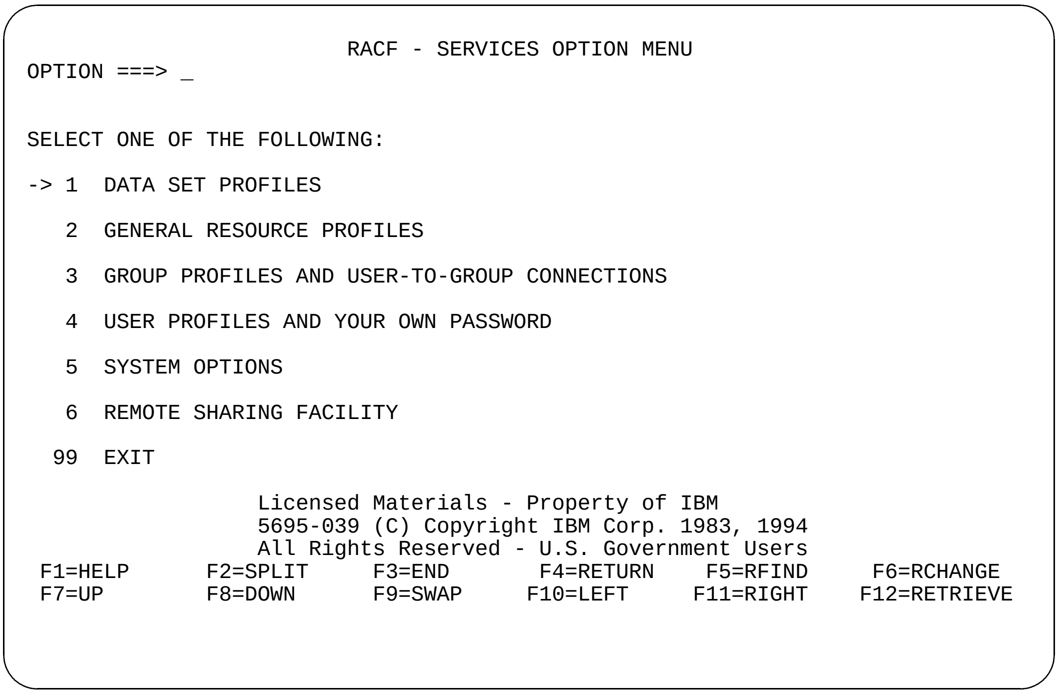
RACF SERVICES OPTION MENU

Follow the appropriate subsequent RACF panels

- => 1 ADD   Add a profile
- => PROFILE NAME   ===> prefix.nnnnnnnn
- => ENTER OR CHANGE THE FOLLOWING INFORMATION:

This has to be done for each ONTOP dataset.

17.7 Maintain the access list



```
                         RACF - SERVICES OPTION MENU
OPTION ===> _


SELECT ONE OF THE FOLLOWING:

-> 1  DATA SET PROFILES

   2  GENERAL RESOURCE PROFILES

   3  GROUP PROFILES AND USER-TO-GROUP CONNECTIONS

   4  USER PROFILES AND YOUR OWN PASSWORD

   5  SYSTEM OPTIONS

   6  REMOTE SHARING FACILITY

  99  EXIT

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                  All Rights Reserved - U.S. Government Users
 F1=HELP      F2=SPLIT     F3=END       F4=RETURN    F5=RFIND     F6=RCHANGE
 F7=UP        F8=DOWN      F9=SWAP     F10=LEFT     F11=RIGHT    F12=RETRIEVE
```

RACF SERVICES OPTION MENU

Follow the appropriate subsequent RACF panels

- => 4 ACCESS   Maintain the access lists
- => PROFILE NAME   ===> prefix.nnnnnnnn
- => 1 ADD   Add users or groups.
- => SPECIFY   ===> yes
- => Enter the access authority to be granted:

This has to be done for each user, or just once for a group, when the recommended group concept is used.

Attention: The maintenance user also needs “ALTER” to the ONTOP data sets

18. ONTOP userid and password administration

18.1 Implementation

To implement the ONTOP userid/password administration as simple and secure as possible, the following RACF concept is recommended.

- Create the ONTOP userids by using the following attributes:
  - DEFAULT-GROUP = Onnnnnnn - (nnnnnnn = 7 digit customer number)
  - PASS-INTERVAL = 3
- Create a group called ONTOP
- Connect all ONTOP users to group ONTOP
- Grant “SPECIAL” to the ONTOP maintenance user - (default ONTOP00)
  (This user must at least have update to data set *.*.TOPCNTL)

Along with the userid administration routines delivered by ONTOP, this set up provides a “push button solution” to the human doing the userid/password administration.

18.2 Usage

For customers it is optional to maintain userid/password administration themselves, or leave it to the ONTOP team. If not left to the ONTOP team, customers should only provide an ONTOP userid if the requester is able to name the problem number he likes to work on. In case of uncertainty customers should ask for the IBM employee number and cross check with the ONTOP help desk, phone 06131-84-5003.

Remark: The initial password is always Onnnnnnn and therefore not distributed.
The user must enter a new password during logon.

Advantages:

- No password distribution
- Only people knowing the problem number will receive a userid
- Only people knowing the customer number will be able to use the userid
- Personalized passwords as 1:1 relation for user : password is guaranteed

This concept demands a minimum of 3 ONTOP userids. Depending on problem occurrence the number of userids should be increased.

If there is a problem in using a dedicated ONTOP admin userid, it is also possible to use any other userid, as long, as the following prerequisites will be met:

- Userid has the authority to reset the passwords for the ONTOP users.
- Userid has at least update access to all the ONTOP data sets

Additional customer requests can be reflected, as long as they follow the ONTOP concept.

19. Loading the ONTOP code

19.1 Install ONTOP from Diskette

Upload the ONTOP data sets from PC to Host (i.e. using MS-DOS)

```
send cli B:’ontop.transmit.cli’ LRECL(80) BLKSIZE(3120)
send msg B:’ontop.transmit.msg’ LRECL(80) BLKSIZE(3120)
send pnl B:’ontop.transmit.pnl’ LRECL(80) BLKSIZE(3120)
send skl B:’ontop.transmit.skl’ LRECL(80) BLKSIZE(3120)
send tbl B:’ontop.transmit.tbl’ LRECL(80) BLKSIZE(3120)
send topcntl B:’ontop.transmit.topcntl’ LRECL(80) BLKSIZE(3120)
send topters B:’ontop.transmit.topters’ LRECL(80) BLKSIZE(3120)
```

The data sets are temporary and can be deleted after the installation. *B* is your 3270-Emulation-ID.

Unpack the data sets on the Host by using “receive”

Open a **ISPF Command Shell** and enter the following statement

```
receive indsname('ontop.transmit.cli')
```

After this message

```
INMR901I Dataset TOP.PROD.V7R3M3.ISPCLIB from uid on node
INMR906A Enter restore parameters or 'DELETE' or 'END' +
```

type

```
dsn('ONTOP.V7R3M3.ISPCLIB')
```

‘ONTOP.V7R3M3.xxx’ is your ONTOP-Qualifier.

Repeat this step for all the ONTOP data sets
(For Out-Dataset names see the table below).

Name of Transmit-Dataset	Name of Out-Dataset
’ONTOP.TRANSMIT.CLI’	’ONTOP.V7R3M3.ISPCLIB’
’ONTOP.TRANSMIT.MSG’	’ONTOP.V7R3M3.ISPMLIB’
’ONTOP.TRANSMIT.PNL’	’ONTOP.V7R3M3.ISPPLIB’
’ONTOP.TRANSMIT.SKL’	’ONTOP.V7R3M3.ISPSLIB’
’ONTOP.TRANSMIT.TBL’	’ONTOP.V7R3M3.ISPTLIB’
’ONTOP.TRANSMIT.TOPCNTL’	’ONTOP.V7R3M3.TOPCNTL’
’ONTOP.TRANSMIT.TOPTERS’	’ONTOP.V7R3M3.TOPTERS’

Attention: If High Level Qualifier ONTOP is not available, any other qualifier will do it, e.g. “SYSP.ONTOP.V7R3M3.*”.

19.2 Remote installation by the ONTOP-Team

This is the easiest way. The ONTOP-Team loads ONTOP to your System and does the customization. For this work the Team needs a TSO-Userid on your system.

19.3 Installation via Email

The ONTOP-Team sends the ONTOP-Datasets via Email. Detach the data sets to your PC and follow the instruction for “Install ONTOP from Diskette”.

20. Adapting control Files

After the ONTOP code is moved from “where ever” to customer dasd it is not possible to start ONTOP right away.
As the customer system is "unknown" to ONTOP, the LOGON procedure TOPLOG and the allocation control member TOPENV01 have to be modified.

20.1 Logon Procedure TOPLOG

```
//*******-----------------------------------------------------*********
//*******                                                     *********
//*******          TSO LOGON PROCEDURE FOR ONTOP              *********
//*******                                                     *********
//*******-----------------------------------------------------*********
//* Hinweis: please replace SYSPROC and SYSHELP data sets according   *
//*          to your installation                                     *
//*******-----------------------------------------------------*********
//TOPLOG   EXEC PGM=IKJEFT01,DYNAMNBR=60,REGION=0K,PARM='%TOPFIRST'
//SYSPROC  DD DSN=ISP.SISPCLIB,DISP=SHR
//         DD DSN=ONTOP.V7R3M3.ISPCLIB,DISP=SHR
//SYSHELP  DD DSN=SYS1.HELP,DISP=SHR
//*******-----------------------------------------------------*********
```

ONTOP Logon Procedure

Actions:

- move TOPLOG from prefix.TOPCNTL to your logon procedure data set
- modify TOPLOG as stated under Hinweis.

20.2 Adjust TOPENV01

This is a default data set allocation control member TOPENV01, as delivered by ONTOP. Five of those default members will be available as a base for individual modification.

```
**TOPENV01**************************************************************
*                                                                      *
* DATA SET ALLOCATION CONTROL TABLE                                    *
*                                                                      *
* HINWEIS: ASTERISC IN COLUMN ONE MEANS COMMENT                        *
*                                                                      *
* The following product levels will be covered by this table:         *
* - DEFAULT TABLE, ONTOP ISPF and IPCS ONLY -                          *
*                                                                      *
*                                                                      *
************************************************************************
*                                            /*                       */
* ISPCLIB                                    /* CLISTS/REXX           */
ONTOP.V7R3M3.ISPCLIB                         /* ONTOP CLISTS          */
ISP.SISPCLIB                                 /* ISPF  CLISTS          */
SYS1.SBLSCLI0                                /* IPCS  CLISTS          */
*                                            /*                       */
* ISPPLIB                                    /* PANEL LIBRARIES       */
ONTOP.V7R3M3.ISPPLIB                         /* ONTOP PANELS          */
ISP.SISPPENU                                 /* ISPF  PANELS          */
SYS1.SBLSPNL0                                /* IPCS  PANELS          */
*                                            /*                       */
* ISPMLIB                                    /* MESSAGE LIBRARIES     */
ONTOP.V7R3M3.ISPMLIB                         /* ONTOP MESSAGES        */
ISP.SISPMENU                                 /* ISPF  MESSAGES        */
SYS1.SBLSMSG0                                /* IPCS  MESSAGES        */
*                                            /*                       */
* ISPSLIB                                    /* SKELETON LIBRARIES    */
ONTOP.V7R3M3.ISPSLIB                         /* ONTOP SKELETONS       */
ISP.SISPSENU                                 /* ISPF  SKELETONS       */
ISP.SISPSLIB                                 /* ISPF  SKELETONS       */
SYS1.SBLSKEL0                                /* IPCS  SKELETONS       */
*                                            /*                       */
* ISPTLIB                                    /* TABLE INPUT LIBRARIES */
ONTOP.V7R3M3.ISPTLIB                         /* ONTOP TABLES          */
ISP.SISPTENU                                 /* ISPF  TABLES          */
SYS1.SBLSTBL0                                /* IPCS  TABLES          */
*                                            /*                       */
* IPCSPARM                                   /* IPCS CONTROL MEMBER   */
SYS1.IBM.PARMLIB                             /* MVS PARMLIB           */
SYS1.PARMLIB                                 /* MVS PARMLIB           */
*                                            /*                       */
* TSOLIB                                     /* LOAD MODULES          */
SYS1.MIGLIB                                  /* IPCS MODULES          */
ONTOP.V7R3M3.TOPTERS                         /* TRSMAIN LIB           */
*                                            /*                       */
* END                                        /*                       */
```

Data set allocation control table

Actions:

- Fill in the necessary data sets to satisfy your environment
  - ISPCLIB Þ CLISTS/EXECs
  - ISPPLIB Þ Panels
  - ISPMLIB Þ Messages
  - ISPSLIB Þ Skeletons
  - ISPTLIB Þ Tables
  - IPCSPARM Þ PARMLIBS
  - TSOLIB Þ Programs/Modules

21. Inspecting EXECs

21.1 TOPFIRST ONTOP first EXEC

Attention: This step is only necessary if TOPALLOW is used !

```
/*REXX****************************************************************/
/*                           'ONTOP'                                  */
/*                 IBM TECHNISCHER AUSSENDIENST                       */
/*--------------------------------------------------------------------*/
/*  LEVEL: V7R3M3                                                     */
/*--------------------------------------------------------------------*/
/*                                                                    */
/*  PROGRAM NAME:         TOPFIRST                                    */
/*                                                                    */
/*  PROGRAM LANGUAGE:     REXX                                        */
/*                                                                    */
/*  PROGRAM AUTHOR:       HHD                                         */
/*                                                                    */
/*  DATE WRITTEN:         02/06/98                                    */
/*                                                                    */
/*  PROGRAM DESCRIPTION:                                              */
/*          This program does the following:                          */
/*          - It does call TOPALLOW                                   */
/*            (but only, if active)                                   */
/*          - It does call TOPPROI                                    */
/*                                                                    */
/*  CALLED BY:            TOPLOG       - ONTOP LOGON Procedure        */
/*                                                                    */
/*  EXTERNAL ROUTINES:    TOPALLOW     - ONTOP permission EXEC        */
/*                        TOPPROI      - ONTOP house keeping EXEC     */
/*                                                                    */
/*  INTERNAL ROUTINES:    none                                        */
/*                                                                    */
/*  DATA SETS READ FROM:  none                                        */
/*                                                                    */
/*  DATA SETS WRITTEN TO: none                                        */
/*                                                                    */
/*  PARAMETERS PASSED IN:  none                                       */
/*                                                                    */
/*  PARAMETERS PASSED OUT: none                                       */
/*                                                                    */
/*--------------------------------------------------------------------*/
/*  Hinweis: If customer likes to get informed about IBM LOGON, he    */
/*           must activate TOPALLOW.                                  */
/*--------------------------------------------------------------------*/
/*                                                                    */
/*  CHANGE HISTORY:                                                   */
/*                                                                    */
/*  NAME:      DATE:      DESCRIPTION:                                */
/*                                                                    */
/*                                                                    */
/**********************************************************************/
Trace 'o'                                    /* JUST FOR TRACING      */
                                             /*                       */
/* call TOPALLOW                                permission EXEC       */
call TOPPROI                                 /* house keeping EXEC    */
                                             /*                       */
Exit                                         /* OK. THAT'S IT ||      */
```

TOPFIRST EXEC

Action

- Just activate TOPALLOW

Description of TOPALLOW

Each time IBM logs on to the customer system, there will be a log entry in the permission data set and customer operation has to reply with "U" before the remote user can pass through.

In order to have this setup functional, customer must create a sequential data set with expiration date ahead of the current date and allow IBM to update this data set.

Default name of the data set is: **ONTOP.START.ERLAUBT**

See customization for how to adjust control member TOPALLOW.

Note

It might be helpful to have a none expiring data set for cases where IBM support people have to work for several days on a problem and the customer doesn't like to grant LOGON permission to a well known person all the time.
In this case, the expiring data set must be renamed to "something" and the none expiring data set must be renamed to the original expiring data set name.

This is an example of how the permission data set might look like.

```
LOGON ONTOPSW at 25 Feb 1998  17:45:01
LOGON ATS1234 at 26 Feb 1998  13:00:09
LOGON ONTOPSW at 26 Feb 1998  16:30:17
LOGON ONTOPSW at 27 Feb 1998  09:05:33
```

21.2 Qualifier EXEC TOPQUAL

```
/*REXX****************************************************************/
/*                           'ONTOP'                                  */
/*                 IBM TECHNISCHER AUSSENDIENST                       */
/*--------------------------------------------------------------------*/
/*  LEVEL: V7R3M3                                                     */
/*--------------------------------------------------------------------*/
/*                                                                    */
/*  PROGRAM NAME:         TOPQUAL                                     */
/*  .                                                                 */
/*  .                                                                 */
/*  .                                                                 */
/*  .                                                                 */
/*                                                                    */
/*--------------------------------------------------------------------*/
/*  Hinweis: Please change ont_main and top_pref according to your    */
/*           installation.                                            */
/*           ont_main is the ONTOP maintenance Userid                 */
/*           ont_user is the prefix for the ONTOP data sets.          */
/*                    It can be the maintenance userid or a dedicated */
/*                    high level qualifier like ONTOP.                */
/*--------------------------------------------------------------------*/
/*  CHANGE HISTORY:                                                   */
/*                                                                    */
/*  NAME:      DATE:      DESCRIPTION:                                */
/*  HHD        02/12/98   add ont_main                                */
/*  HHD        06/29/01   change ont_user to top_pref                 */
/*                                                                    */
/**********************************************************************/
Trace 'o'                                    /* JUST FOR TRACING      */
parse arg get_qual .                         /* what is requested ?   */
                                             /*                       */
own_user = USERID()                          /* own USERID            */
ont_main = ONTOP00                           /* maintenance userid    */
top_pref = ONTOP                             /* prefix                */
/* can be changed, but shouldn't -------------------------------------*/
ont_prof = ""own_user".ONTOP.ISPPROF"        /* ONTOP PROFILE         */
ont_pref = ""top_pref".V7R3M3"               /* ONTOP data set prefix */
/* can be changed, but shouldn't -------------------------------------*/
                                             /*                       */
SELECT                                       /* check request         */
  WHEN get_qual = 'ont_pref' then            /* pref was requested    */
       ret_qual = ont_pref                   /*                       */
  WHEN get_qual = 'ont_prof' then            /* prof was requested    */
       ret_qual = ont_prof                   /*                       */
  WHEN get_qual = 'ont_main' then            /* main was requested    */
                = ont_main                   /*                       */
  OTHERWISE                                  /*                       */
       say 'OTHERWISE'                       /*                       */
END                                          /*                       */
                                             /*                       */
Exit ret_qual                                /* pass back qualifier   */
```

ONTOP Qualifiers

Action

- If you run with all the defaults nothing has to be changed, defaults are:
  - ont_main = ONTOP00
  - top_pref = ONTOP

Note

As ont_main and top_pref have to be set only during initial installation, this EXEC is not available under customization.

21.3 TOPPROI ONTOP House Keeping EXEC

```
/*REXX****************************************************************/
/*                           'ONTOP'                                  */
/*                 IBM TECHNISCHER AUSSENDIENST                       */
/*--------------------------------------------------------------------*/
/*  LEVEL: V7R3M3                                                     */
/*--------------------------------------------------------------------*/
/*  PROGRAM NAME:         TOPPROI                                     */
/*  .                                                                 */
/*  .                                                                 */
/*  .                                                                 */
/*  .                                                                 */
/**********************************************************************/
Trace 'o'                                    /* JUST FOR TRACING      */
    .
    .
    .
/*--------------------------------------------------------------------*/
/*  SUBROUTINE to create ONTOP Profile (only if not around)           */
/*--------------------------------------------------------------------*/
proi_prof:                                   /*                       */
status = msg('OFF')                          /* suppress messages     */
ont_ispp = "'"ont_prof"(TOPPROF)'"           /* TOPPROF on ISPPROF    */
top_prof = "'"ont_prof"'"                    /* it does need hyphens  */
"FREE FI(ISPPROF)"                           /* free previous allocs  */
If SYSDSN(top_prof) = OK then Do             /* profile is around     */
   "ALLOC F(ISPPROF) DA("top_prof") SHR REUS"/* ALLOC ISPF PROFILE    */
 End                                         /*                       */
Else Do                                      /* profile is not around */
   "ALLOC FILE(ISPPROF),                     /* allocate new one      */
   DA("top_prof") NEW CATALOG,               /*                       */
   RECFM(F B) LRECL(80),                     /*                       */
   BLKSIZE(6160) DSORG(PO),                  /*                       */
   SP(8,5) TRACKS DIR(99)"                   /*                       */
   if rc ^= 0 then signal out_01             /* go to error exit      */
 End                                         /*                       */
status = msg('ON')                           /*                       */
Return                                       /*                       */
   .
   .
   .
```

ONTOP Profile allocation

Action

- STORCLAS, MGMTCLAS, DATACLAS may be used

TOPPROI is the ONTOP house keeping EXEC.
Each time ONTOP is started, it establishes the ONTOP environment.
It checks if the ONTOP profile is available and if not, a new profile is allocated and all the relevant members are copied from TOPCNTL

21.4 TOPIPCSA ONTOP IPCS Allocation EXEC

```
/*REXX****************************************************************/
/*                           'ONTOP'                                  */
/*                 IBM TECHNISCHER AUSSENDIENST                       */
/*--------------------------------------------------------------------*/
/*  LEVEL: V7R3M3                                                     */
/*--------------------------------------------------------------------*/
/*  PROGRAM NAME:         TOPIPCSA                                    */
/*  .                                                                 */
/**********************************************************************/
TRACE 'O'                                       /* JUST FOR TRACING   */
    .                                           /*                    */
    .                                           /*                    */
Exit                                            /* go back to TOPIPCS */
/*--------------------------------------------------------------------*/
/*  ALLOC IPCS VSAM CLUSTER (DUMP DIRECTORY)                          */
/*--------------------------------------------------------------------*/
ipcsa_ddir:                                     /*                    */
.
ELSE DO                                         /*DIRECTORY NOT AROUND*/
   "DEFINE CLUSTER(NAME("ONT_DIR") INDEXED,     /* DEF NEW DIRECTORY  */
           REUSE SHAREOPTIONS(1,3)),            /*                    */
      INDEX(NAME("ONT_IND") TRACKS(15,15),      /*                    */
           CONTROLINTERVALSIZE(4096)),          /*                    */
      DATA(NAME("ONT_DAT") CYLINDERS(50,50),    /*                    */
           KEYS(128 0) RECORDSIZE(384 3072))"   /*                    */
   "IPCSDDIR "ONT_DIR""                         /* SET IPCS DDIR NAME */
   "ALLOC FI(IPCSDDIR) DA("ONT_DIR") OLD REUSE" /* ALLOC NEW DDIR     */
   if rc ^= 0 then signal out_01                /* go to error exit   */
END                                             /*                    */
status = msg('ON')                              /* turn MSG on again  */
Return                                          /*                    */
/*--------------------------------------------------------------------*/
/*  ALLOC IPCS PRINT DATASET (DD=IPCSPRNT)                            */
/*--------------------------------------------------------------------*/
ipcsa_prnt:                                     /*                    */
.
ELSE DO                                         /* prnt DS not around */
   "ALLOC FILE(IPCSPRNT),                       /* alloc new prnt DS  */
   DA("ONT_PRT") NEW CATALOG,                   /*                    */
   RECFM(V B A) LRECL(137),                     /*                    */
   BLKSIZE(13704) DSORG(PS),                    /*                    */
   SPACE(10,1) CYLINDERS"                       /*                    */
   if rc ^= 0 then signal out_01                /* go to error exit   */
END                                             /*                    */
status = msg('OFF')                             /* turn MSG on again  */
Return                                          /*                    */
/*--------------------------------------------------------------------*/
/*  ALLOC IPCS TOC   DATASET (DD=IPCSTOC)                             */
/*--------------------------------------------------------------------*/
ipcsa_toc:                                      /*                    */
.
ELSE DO                                         /* toc DS not around  */
   "ALLOC FILE(ipsctoc),                        /* ALLOC NEW TOC DS   */
   DA("ONT_TOC") NEW CATALOG,                   /*                    */
   RECFM(V B A) LRECL(137),                     /*                    */
   BLKSIZE(13704) DSORG(PS),                    /*                    */
   SPACE(10,1) CYLINDERS"                       /*                    */
   if rc ^= 0 then signal out_01                /* go to error exit   */
END                                             /*                    */
status = msg('ON')                              /* turn msg on again  */
Return                                          /*                    */
```

IPCS allocation EXEC

Action

- STORCLAS, MGMTCLAS, DATACLAS may be used
- VOLUME(name) may be needed for "DEFINE CLUSTER"

22. ONTOP Customization

After having adapted the control files and inspected the execs, it is now possible to do the ONTOP guided customization. The customization is only allowed to the maintenance userid set in EXEC TOPQUAL (default is ONTOP00).
During customization EDIT is used to update the appropriate ONTOP control files, EXECs and Panels

```
*******************************************************************************
*  CUSTOMER NAME  HHD ON TEST                                                 *
*******************************************************************************
*                      ONTOP Customization Panel                              *
*******************************************************************************
please select ===>

       1  CUSNAM      - customize customer name
       2  TOPBRO      - customize Browse data sets
       3  TOPALLOW    - customize allow control member       if used
       4  TOPENVT0    - customize environment control table
       5  TOPENVnn    - customize allocation control tables
       6  TOPHOME     - customize ONTOP Home Panel
       7  JOBCARD     - customize the jobcard                if used
       8  TOPUSER     - customize ONTOP Userids
       9  TOPSDSF     - customize ONTOP interface to SDSF    if used
       A  TOPIFX      - customize ONTOP interface to IFX     if used
       B  TOPCMDS     - customize ONTOP command tables
       C              - not used yet
       D  TOPPW       - Resume Passwords for ONTOP Userids

Press PF3 to return to previous Panel   PF1 HELP
```

This is the ONTOP Customization Panel.

Selecting option "0" at the ONTOP Home Panel brings up the customization panel.

All the subsequent customization activities will be discussed on the following pages.

22.1 Customize Customer Name

```
** CUSNAM ***************************************************
*                                                           *
*                                                           *
*  THIS IS WHERE THE CUSTOMER NAME SHOULD GO                *
*                                                           *                                  *
                                                02/04/98 *
*************************************************************
customer
```

CUSNAM - customer name control file

Actions

- Replace customer with the name of your company
  (It is displayed in the header line of every ONTOP panel)

22.2 Customize Browse Data Sets

```
** TABBRO **************************************************
*                                                          *
*                                                          *
*  LIST OFF ALL AVAILABLE BROWSE DATASETS                  *
*                                               01/29/98   *                                   *
                                                        *
************************************************************
ONTOP
SYS1.PARMLIB
userid.ONTOP
UNDEFINED
UNDEFINED
```

TOPBRO Browse data set control table

Actions

- fill in the data sets allowed for browsing
  (Those data sets are available under option 1 at the ONTOP Home Panel)

22.3 Customize the LOGON permission member TOPALLOW

```
** TOPALLOW **********************************************              TOP00010
*                                                        *              TOP00020
* PLEASE ADJUST DATA SET NAME AND OPERATOR TELEFON NUMBER*              TOP00020
* FIRST  NON COMMENT ROW = DATA SET NAME                 *              TOP00020
* SECOND NON COMMENT ROW = TELEPHONE NUMBER              *              TOP00020
*                                                        *              TOP00040
*                                               02/04/98 *              TOP00050
**********************************************************              TOP00060
ONTOP.START.ERLAUBT                                                     TOP00070
01234-12-1234
```

TOPALLOW control member

Actions

- Put in permission data set name and telephone number of operations
  (This info will be used by EXEC TOPALLOW)

Attention: This step is only needed, if a permission data set is used.

22.4 Customize Dump Environment Control Table

```
**TOPENVT0***********************************************************
*                                                                   *
*  DUMP ENVIRONMENT SELECTION TABLE                                 *
*                                                                   *
*  HINWEIS: ASTERISK IN COLUMN 1 MEANS COMMENT.                     *
*           A NEW ENVIRONMENT SHOULD ALWAYS BE PLACED AT THE END    *
*           OF THE TABLE.                                           *
*           THE ASTERISK UNDER COLUMN "F" SHOULD NOT BE MOVED AND   *
*           ALWAYS POINT TO THE BRINGUP ENVIRONMENT.                *
*           UNUSED FIELDS MUST BE PADDED BY DASHES (-)              *
*                                                                   *
*  BY DEFAULT, THERE ARE 3 ENVIRONMENTS AVAILABLE.                  *
*  ENVIRONMENT 1 IS THE BRINGUP ENVIRONMENT JUST USING THE ONTOP,   *
*  ISPF AND IPCS LIBRARIES. THIS IS TO MAKE SURE ONTOP CAN ALWAYS   *
*  BE STARTED. PLEASE MODIFY THE USED DATA SETS IN TABLE TOPENV01   *
*  TO REFLECT THE DATA SETS ON YOUR SYSTEM.                         *
*  ENVIRONMENT 2 IS AN EXAMPLE AND SHOULD BE MODIFIED ACCORDING     *
*  THE PRODUCT LEVELS INSTALLED ON THE SYSTEM. IN TABLE TOPENV02    *
*  YOU MUST CHANGE THE DEFAULT DATA SETS AND ADD THE PRODUCT        *
*  DATA SETS.                                                       *
*  ALL THE OTHER ENVIRONMENT'S, UP TO 99, CAN BE USED FOR ALL KIND  *
*  OF DIFFERENT ANALYZING SCENARIOS.                                *
*  THE PREDEFINED TABLE TOPENV03 SHOULD BE CHECKED AND EVEN IF NOT  *
*  USED MODIFIED ACCORDING TO THE SYSTEM ENVIRONMENT.               *
*                                                                   *
*  AFTER FINISHING WITH THIS TABLE AND ALL THE DATA SET CONTROL     *
*  TABLES TOPENV01 - TOPENVNN, PLEASE USE ONTOP OPTION 3 AND        *
*  SWITCH OVER ALL ENVIRONMENTS, TO MAKE SURE YOU DID NOT ADD       *
*  INVALID DATA SETS.                                               *
*                                                                   *
*********************************************************************
*
*/390! IMS ! CICS! DB2 ! JES2! VTAM!TCPIP! MQS ! COMMENT   ! F ! S  !
*-------------------------------------------------------------------!
 TOP ! TOP ! TOP ! TOP ! TOP ! TOP ! TOP ! TOP ! BRINGUP   ! * ! 01 !
 703 ! ??? ! ??? ! ??? ! ??? ! ??? ! ??? ! ??? ! /390 2.10 ! - ! 02 !
 --- ! --- ! --- ! --- ! --- ! --- ! --- ! --- ! FREE      ! - ! 03 !
*-------------------------------------------------------------------!
```

Dump environment control table TOPENVT0

Actions

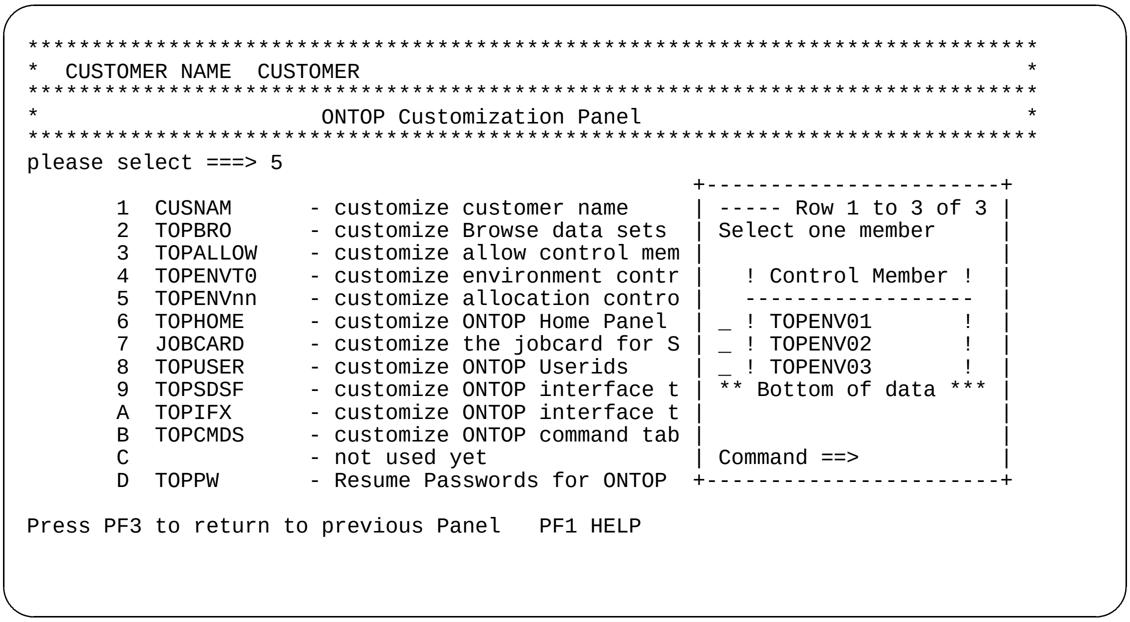
- Fill in all the level of the environments you are running on your system

The member shown above is the initial ONTOP member, assuming OS/390 2.10.
Now the customer must fill in all the product levels for each environment used.
Each row is representing a dedicated dump environment identified by the suffix in the last column and for each suffix there must be an allocation control table (TOPENVnn).
Please do not use environment (1) for production.

Attention: Even if only one dump environment (2) is used, TOPENV01 and TOPENV03 must be customized in the next step !!!

TOPENVT0 changes only become active after LOGOFF/LOGON, or switching the dump environment.

22.5 Customize Allocation Control Tables TOPENV01-nn



```
********************************************************************************
*  CUSTOMER NAME  CUSTOMER                                                     *
********************************************************************************
*                      ONTOP Customization Panel                               *
********************************************************************************
please select ===> 5
                                                    +-----------------------+
       1  CUSNAM      - customize customer name     | ----- Row 1 to 3 of 3 |
       2  TOPBRO      - customize Browse data sets  | Select one member     |
       3  TOPALLOW    - customize allow control mem |                       |
       4  TOPENVT0    - customize environment contr |   ! Control Member !  |
       5  TOPENVnn    - customize allocation contro |   ------------------  |
       6  TOPHOME     - customize ONTOP Home Panel  | _ ! TOPENV01       !  |
       7  JOBCARD     - customize the jobcard for S | _ ! TOPENV02       !  |
       8  TOPUSER     - customize ONTOP Userids     | _ ! TOPENV03       !  |
       9  TOPSDSF     - customize ONTOP interface t | ** Bottom of data *** |
       A  TOPIFX      - customize ONTOP interface t |                       |
       B  TOPCMDS     - customize ONTOP command tab |                       |
       C              - not used yet                | Command ==>           |
       D  TOPPW       - Resume Passwords for ONTOP  +-----------------------+

Press PF3 to return to previous Panel   PF1 HELP
```

Allocation control member selection POP_UP.

As there can be lots of allocation control members there is a POP_UP to let the user choose the member to be modified.

The member selected will be edited and the user can change it.

Attention: All 3 members delivered by ONTOP must be checked and corrected !

```
**TOPENV02**************************************************************
*                                                                      *
* DATA SET ALLOCATION CONTROL TABLE                                    *
*                                                                      *
* HINWEIS: ASTERISK IN COLUMN ONE MEANS COMMENT                        *
*                                                                      *
* THE FOLLOWING PRODUCT LEVELS WILL BE COVERED BY THIS TABLE:          *
* - PROD1                                                              *
* - PROD2                                                              *
*   .                                                                  *
*   .                                                                  *
* - PRODN                                                              *
************************************************************************
*                                            /*                       */
* ISPCLIB                                    /* CLISTS/REXX           */
ONTOP.V7R3M3.ISPCLIB                         /* ONTOP CLISTS          */
ISP.SISPCLIB                                 /* ISPF  CLISTS          */
SYS1.SBLSCLI0                                /* IPCS  CLISTS          */
*                                            /*                       */
* ISPPLIB                                    /* PANEL LIBRARIES       */
ONTOP.V7R3M3.ISPPLIB                         /* ONTOP PANELS          */
ISP.SISPPENU                                 /* ISPF  PANELS          */
SYS1.SBLSPNL0                                /* IPCS  PANELS          */
*                                            /*                       */
* ISPMLIB                                    /* MESSAGE LIBRARIES     */
ONTOP.V7R3M3.ISPMLIB                         /* ONTOP MESSAGES        */
ISP.SISPMENU                                 /* ISPF  MESSAGES        */
SYS1.SBLSMSG0                                /* IPCS  MESSAGES        */
*                                            /*                       */
* ISPSLIB                                    /* SKELETON LIBRARIES    */
ONTOP.V7R3M3.ISPSLIB                         /* ONTOP SKELETONS       */
ISP.SISPSENU                                 /* ISPF  SKELETONS       */
ISP.SISPSLIB                                 /* ISPF  SKELETONS       */
SYS1.SBLSKEL0                                /* IPCS  SKELETONS       */
*                                            /*                       */
* ISPTLIB                                    /* TABLE INPUT LIBRARIES */
ONTOP.V7R3M3.ISPTLIB                         /* ONTOP TABLES          */
ISP.SISPTENU                                 /* ISPF  TABLES          */
SYS1.SBLSTBL0                                /* IPCS  TABLES          */
*                                            /*                       */
* IPCSPARM                                   /* IPCS CONTROL MEMBER   */
SYS1.PARMLIB                                 /* MVS PARMLIB           */
*                                            /*                       */
* TSOLIB                                     /* LOAD MODULES          */
SYS1.MIGLIB                                  /* IPCS MODULES          */
ONTOP.V7R3M3.TOPTERS                         /* TRSMAIN LIB           */
*                                            /*                       */
* END                                        /*                       */
```

Example of data set allocation control table

Actions

- Fill in all the data set names matching your environment

- `ISPCLIB  -> CLISTS/EXECs`
- `ISPPLIB  -> Panels`
- `ISPMLIB  -> Messages`
- `ISPSLIB  -> Skeletons`
- `ISPTLIB  -> Tables`
- `IPCSPARM -> PARMLIBS`
- `TSOLIB   -> Programs/Modules`

Note

PARMLIB, MIGLIB, SBLSlibs must match the environment set in the environment control table (e.g. HBB7703). Don't forget to add the product data sets (IMS, CICS, DB2, ...)
See examples under "Examples of Control Tables" and the IPCS part in this documentation for IPCS component handling.

22.6 Customization of ONTOP Home Panel TOPHOME

```
********************************* Top of Data **********************************
)ATTR
 ^ TYPE(OUTPUT)  COLOR(YELLOW) INTENS(HIGH)  CAPS(OFF) PAD(' ')
 ° TYPE(input)   COLOR(white)  INTENS(HIGH)  CAPS(ON)  PAD('_')
 { TYPE(input)   COLOR(white)  INTENS(non)   CAPS(OFF) PAD(' ')
 § TYPE(TEXT)    COLOR(GREEN)  INTENS(LOW)   CAPS(OFF) PAD(' ') SKIP(ON)
 # TYPE(TEXT)    COLOR(TURQ)   INTENS(LOW)   CAPS(OFF) PAD(' ') SKIP(ON)
)BODY smsg(da2msg) lmsg(da2msg)
+*******************************************************************************
+*% CUSTOMER NAME  &CUSTNAME                                                  +*
+*******************************************************************************
+*%                     ONTOP Home Panel                         V7R3M3 - HHD +*
+*******************************************************************************
+please select ===>_OPT    +
%                                                            +USERID - &ZUSER
%       0 +CUSTOMIZE   - CUSTOMIZE ONTOP                     +Proc   - &ZLOGON
%       1 +BROWSE      - BROWSE on System-/Problem-Data
%       2 +EDIT        - EDIT   on Userid Data
%       3 +IPCS        - Start IPCS
%       4 +EREP        - not active
%       5 +IND$FILE    - PC Up and Down
%       6 +            - not defined yet
%       7 +            - not defined yet
%       8 +            - not defined yet
%       9 +TERSE       - TERSE a Dataset for Upload to IBM
%       A +SDSF        - SDSF
%       B +ISPF        - ISPF - Standard
+
+
+ Press%PF3 +to Terminate ONTOP
^da2msg §
)INIT
 &DAT = '&ZDAY..&ZMONTH..&ZYEAR'
 &ZPRIM = YES
 vget (relo)
 if (&relo = 'Y')
     &opt  = 3
    .resp  = ENTER
 .HELP = Thphome
)REINIT
 &opt  = ' '
 .resp = ' '
)PROC
 &relo = 'N'
 &OPT1 = TRUNC (&OPT,'.')
 /* VER (&OPT1,LIST,0,1,2,3,4,5,6,7,8,9,A,B,MSG=KDMSG028) */
 VER (&OPT1,LIST,0,1,2,3,5,9,A,B,MSG=KDMSG028)
 VER (&OPT1,NONBLANK,MSG=KDMSG029)
  &YLOGOFF =  TRUNC (&OPT,'.')
 &SEL = TRANS( TRUNC (&OPT,'.')
          0,'cmd(%TOPCUST)'
          1,'CMD(%TOPBRO)'
          2,'CMD(%TOPTALIS)'
    /* remove newappl/passlib for ipcs print business         */
    /*    3,'CMD(%TOPIPCS)    newappl(BLSG) PASSLIB'          */
          3,'CMD(%TOPIPCS)'
    /*    4,'PANEL(TOPEREP0)'                                 */
          5,'PGM(ISRPTC) SCRNAME(CMD)'
    /*    6,'CMD(%TOPDA2)     NEWAPPL(DA2)  PASSLIB'           */
    /*    7,'CMD(%TOPIFX)     NEWAPPL(PFTS) PASSLIB'           */
    /*    8,'cmd(%TOPSPLIT)'                                   */
          9,'CMD(%TOPTERSE)'
          A,'cmd(%topsdsf)    newappl(ISF)  passlib'
          B,'panel(isr§prim)'
                                /*                             */
              ' ',' '
               X,'EXIT'
               Y,'EXIT'
               *,'?' )
)END
```

Panel coding of TOPHOME.

Actions

- add, or delete functions

22.7 Customize JOBCARD for Split

```
** JOBCARD ***********************************************
*                                                        *
*  THIS IS THE JOBCARD FOR SPLIT                         *
*                                               03/01/00 *
**********************************************************
//ADAM3S   JOB (7949),MSGLEVEL=(1,1),MSGCLASS=X,CLASS=A
```

Jobcard for data set split

Actions

- Change the jobcard according to your system

Attention: This step needs only to be performed, if the split function is used.

22.8 Customize ONTOP work userids

```
** TOPUSER ***********************************************
*                                               05/04/01 *
*  THIS IS WHERE THE ONTOP WORK USERIDS SHOULD GO        *
*                                                        *
*  THERE SHOULD BE AT LEAST 3 ONTOP WORK USERIDS !       *
*                                                        *
*  ATTENTION: DO NOT CHANGE THE PICK DATE DATA MANUALLY. *
*             ONLY PROGRAM TOPPW IS ALLOWED TO UPDATE    *
*             THIS DATA.                                 *
*             PICK DATE IS STORED LIKE:                  *
*             FIRST TWO DIGITS  = YEAR                   *
*             LAST THREE DIGITS = JULIAN DAY.            *
*                                                        *
**********************************************************
* USERID ! PICK DATE
*--------+------------------------------------------------
ONTOP01    01200
ONTOP02    01200
ONTOP03    01200
```

List of work User used by ONTOP

Actions

- Change the Userids according to your system.
  If you add users, just copy the last entry and modify the userid.

Attention: Do not mess with the pick date !!!

22.9 Customize ONTOP Interface to SDSF

```
/*REXX****************************************************************/
/*                           'ONTOP'                                  */
/*                 IBM TECHNISCHER AUSSENDIENST                       */
/*--------------------------------------------------------------------*/
/*  LEVEL: V7R3M3                                                     */
/*--------------------------------------------------------------------*/
/*                                                                    */
/*  PROGRAM NAME:         TOPSDSF                                     */
/*                                                                    */
/*  PROGRAM LANGUAGE:     REXX                                        */
/*                                                                    */
/*  PROGRAM AUTHOR:       HHD                                         */
/*                                                                    */
/*  DATE WRITTEN:         07/12/97                                    */
/*                                                                    */
/*  PROGRAM DESCRIPTION:  START EXEC OF SDSF                          */
/*                        DOES THE ALLOCS/LIBDEFS FOR SDSF            */
/*                                                                    */
/*  CALLED BY:            NOBODY                                      */
/*                                                                    */
/*  IT CALLS:             XXXXXXXXXX      - SDSF HOME PANEL           */
/*                                                                    */
/*  PARAMETERS PASSED:    NONE                                        */
/*                                                                    */
/*                                                                    */
/*--------------------------------------------------------------------*/
/*  CHANGE HISTORY:                                                   */
/*                                                                    */
/*  NAME:      DATE:      DESCRIPTION:                                */
/*                                                                    */
/*                                                                    */
/**********************************************************************/
TRACE 'O'                                    /* JUST FOR TRACING      */
                                             /*                       */
DSFHLQ   = 'ISF'                             /* SDSF PREFIX           */
                                             /*                       */
DSF_PROC = "'"DSFHLQ".SISFEXEC'"             /* SDSF CLISTS           */
DSF_PANS = "'"DSFHLQ".SISFPLIB'"             /* SDSF PANELS           */
DSF_MSGS = "'"DSFHLQ".SISFMLIB'"             /* SDSF MESSAGES         */
DSF_TLIB = "'"DSFHLQ".SISFTLIB'"             /* SDSF TABLE            */
                                             /*                       */
"ALLOC F(DSFPROC) DA("DSF_PROC") SHR"        /* ALLOC SDSF EXECS      */
"ALLOC F(DSFPANS) DA("DSF_PANS") SHR"        /* ALLOC SDSF PANELS     */
"ALLOC F(DSFMSGS) DA("DSF_MSGS") SHR"        /* ALLOC SDSF MESSAGES   */
"ALLOC F(DSFTLIB) DA("DSF_TLIB") SHR"        /* ALLOC SDSF TABLES     */
                                             /*                       */
"ALTLIB ACT APPLICATION(CLIST) F("DSFPROC")" /* ALTLIB TO SDSF        */
                                             /*                       */
ADDRESS ISPEXEC                              /* TELL REXX ABOUT ISPF  */
   "LIBDEF ISPPLIB LIBRARY ID(DSFPANS)"      /* USE LIBDEF FOR PANELS */
   "LIBDEF ISPMLIB LIBRARY ID(DSFMSGS)"      /* USE LIBDEF FOR MSGS   */
   "LIBDEF ISPTLIB LIBRARY ID(DSFTLIB)"      /* USE LIBDEF FOR TLIBS  */
                                             /*                       */
   "SELECT PANEL(ZSDSFOP2) NEWAPPL(ISF),     /* GO ON WITH SDSF       */
                           PASSLIB"          /*                       */
                                             /*                       */
   "LIBDEF ISPPLIB"                          /* USE LIBDEF FOR PANELS */
   "LIBDEF ISPMLIB"                          /* USE LIBDEF FOR MSGS   */
   "LIBDEF ISPTLIB"                          /* USE LIBDEFS FOR SKELS */
                                             /*                       */
ADDRESS TSO                                  /* TELL REXX ABOUT TSO   */
   "ALTLIB DEACTIVATE APPLICATION(*)"        /* RESET APPL CLIST      */
   "FREE F(DSFPROC DSFPANS DSFMSGS DSFTLIB)" /* FREE LIBDEF DD NAMES  */
EXIT                                         /* OK. THAT'S IT ||      */
```

Interface Exec to SDSF.

Actions

- Check for data set correctness

Note

If JES2 is not installed, the SDSF option should be removed from panel TOPHOME.

22.10 Customize ONTOP Interface to IFX

```
/*REXX*****************************************************************/
/*                           'ONTOP'                                  */
/*                 IBM TECHNISCHER AUSSENDIENST                       */
/*--------------------------------------------------------------------*/
/*  LEVEL: V7R3M3                                                     */
/*--------------------------------------------------------------------*/
/*                                                                    */
/*  PROGRAM NAME:         TOPIFX                                      */
/*                                                                    */
/*  PROGRAM LANGUAGE:     REXX                                        */
/*                                                                    */
/*  PROGRAM AUTHOR:       HHD                                         */
/*                                                                    */
/*  DATE WRITTEN:         07/12/97                                    */
/*                                                                    */
/*  PROGRAM DESCRIPTION:  START EXEC OF IFX                           */
/*                        DOES THE ALLOCS/LIBDEFS FOR IFX             */
/*                                                                    */
/*  CALLED BY:            TOPHOME         - ONTOP HOME PANEL          */
/*                                                                    */
/*  IT CALLS:             PFTNP10         - IFX NON-RJE PANEL         */
/*                                                                    */
/*  PARAMETERS PASSED:    NONE                                        */
/*                                                                    */
/*                                                                    */
/*--------------------------------------------------------------------*/
/*  CHANGE HISTORY:                                                   */
/*                                                                    */
/*  NAME:      DATE:      DESCRIPTION:                                */
/*                                                                    */
/*                                                                    */
/**********************************************************************/
TRACE 'O'                                    /* JUST FOR TRACING      */
PFTHLQ   = 'PFT3100'                         /* TEST IFX  HLQ         */
                                             /*                       */
PFT_PROC = "'"PFTHLQ".PFTCLIB'"              /* PFT CLISTS            */
PFT_PANS = "'"PFTHLQ".PFTPLIB'"              /* PFT PANELS            */
PFT_MSGS = "'"PFTHLQ".PFTMLIB'"              /* PFT MESSAGES          */
PFT_PARM = "'"PFTHLQ".HHDUSAM'"              /* PFT CONTROL DATA      */
                                             /*                       */
"ALLOC F(PFTPROC) DA("PFT_PROC") SHR"        /* ALLOC TO DD PFTPROC   */
"ALLOC F(PFTPANS) DA("PFT_PANS") SHR"        /* ALLOC TO DD PFTPANS   */
"ALLOC F(PFTMSGS) DA("PFT_MSGS") SHR"        /* ALLOC TO DD PFTMSGS   */
"ALLOC F(FTSPARM) DA("PFT_PARM") SHR"        /* ALLOC TO DD FTSPARM   */
                                             /*                       */
"ALTLIB ACT APPLICATION(CLIST) F(PFTPROC)"   /* DO ALTLIB TO PFT      */
                                             /*                       */
ADDRESS ISPEXEC                              /* TELL REXX ABOUT ISPF  */
   "LIBDEF ISPPLIB LIBRARY ID(PFTPANS)"      /* LIBDEFS FOR PANELS    */
   "LIBDEF ISPMLIB LIBRARY ID(PFTMSGS)"      /* LIBDEFS FOR MSGS      */
                                             /*                       */
   "SELECT PANEL(PFTNP10) NEWAPPL(PFT),      /* GO ON WITH IFX        */
                          PASSLIB"           /*                       */
                                             /*                       */
   "LIBDEF ISPPLIB"                          /* CLEAR ISPMLIB ALLOCS  */
   "LIBDEF ISPMLIB"                          /* CLEAR ISPMLIB ALLOCS  */
                                             /*                       */
ADDRESS TSO                                  /* TELL REXX ABOUT TSO   */
   "ALTLIB DEACTIVATE APPLICATION(*)"        /* RESET APPL CLIST      */
   "FREE F(PFTPROC PFTPANS PFTMSGS FTSPARM)" /* FREE LIBDEF DD NAMES  */
                                             /*                       */
EXIT                                         /* OK. THAT'S IT ||      */
```

Interface Exec to IFX

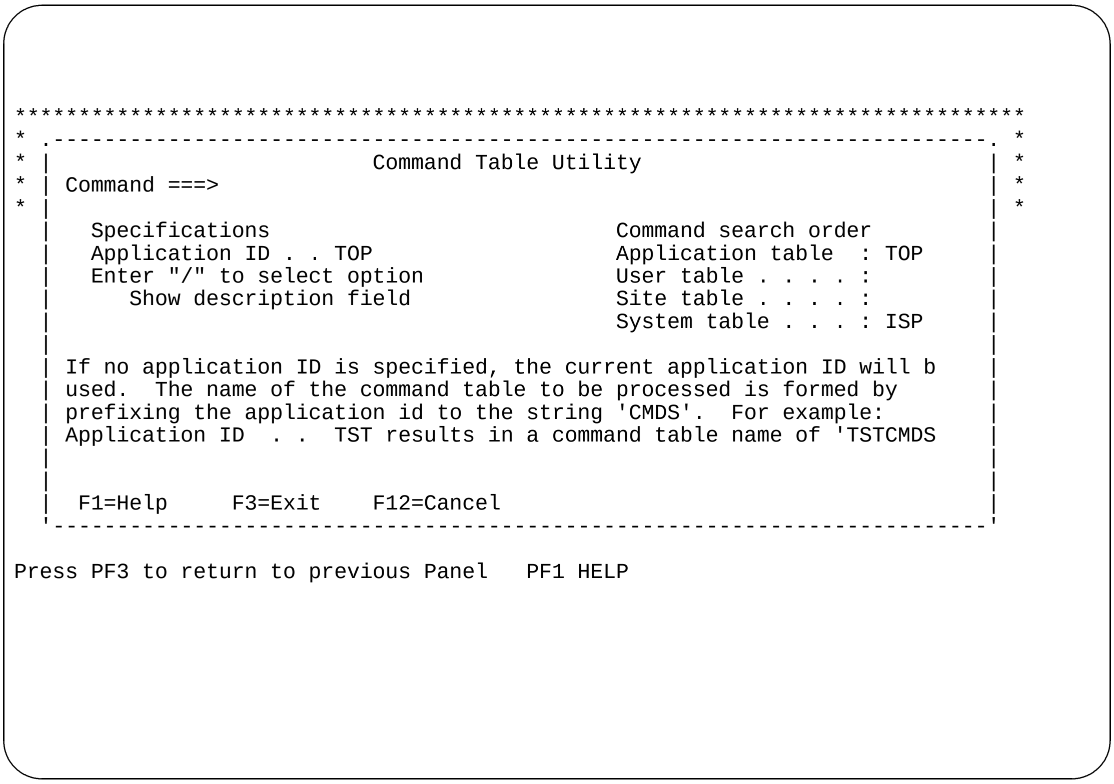
Actions

- Check for data set correctness

Note

This goes only along with the IFX Enduser Interface shipped for the NJE environment.

22.11 Customization of ONTOP Command Tables



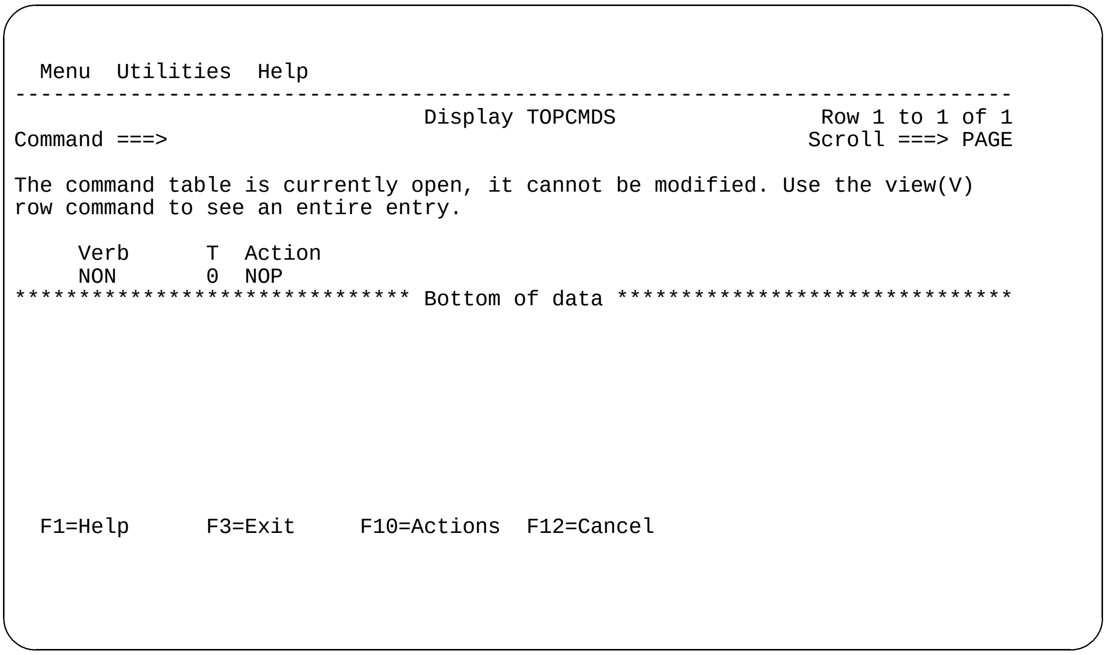
```
********************************************************************************
* .--------------------------------------------------------------------------. *
* |                         Command Table Utility                            | *
* | Command ===>                                                             | *
* |                                                                          | *
  |   Specifications                           Command search order          |
  |   Application ID . . TOP                   Application table  : TOP      |
  |   Enter "/" to select option               User table . . . . :          |
  |      Show description field                Site table . . . . :          |
  |                                            System table . . . : ISP      |
  |                                                                          |
  | If no application ID is specified, the current application ID will b     |
  | used.  The name of the command table to be processed is formed by        |
  | prefixing the application id to the string 'CMDS'.  For example:         |
  | Application ID  . .  TST results in a command table name of 'TSTCMDS     |
  |                                                                          |
  |                                                                          |
  |  F1=Help     F3=Exit    F12=Cancel                                       |
  '--------------------------------------------------------------------------'

Press PF3 to return to previous Panel   PF1 HELP
```

ISPF command table selection POP_UP

Actions

- Fill in the prefixes used by ONTOP as APPLICATION ID
  - TOP
  - BLSG

22.12 ISPF Command Table Modification Panel for TOPCMDS



```
  Menu  Utilities  Help
------------------------------------------------------------------------------
                                Display TOPCMDS                Row 1 to 1 of 1
Command ===>                                                Scroll ===> PAGE

The command table is currently open, it cannot be modified. Use the view(V)
row command to see an entire entry.

     Verb      T  Action
     NON       0  NOP
******************************* Bottom of data *******************************







  F1=Help      F3=Exit     F10=Actions  F12=Cancel
```

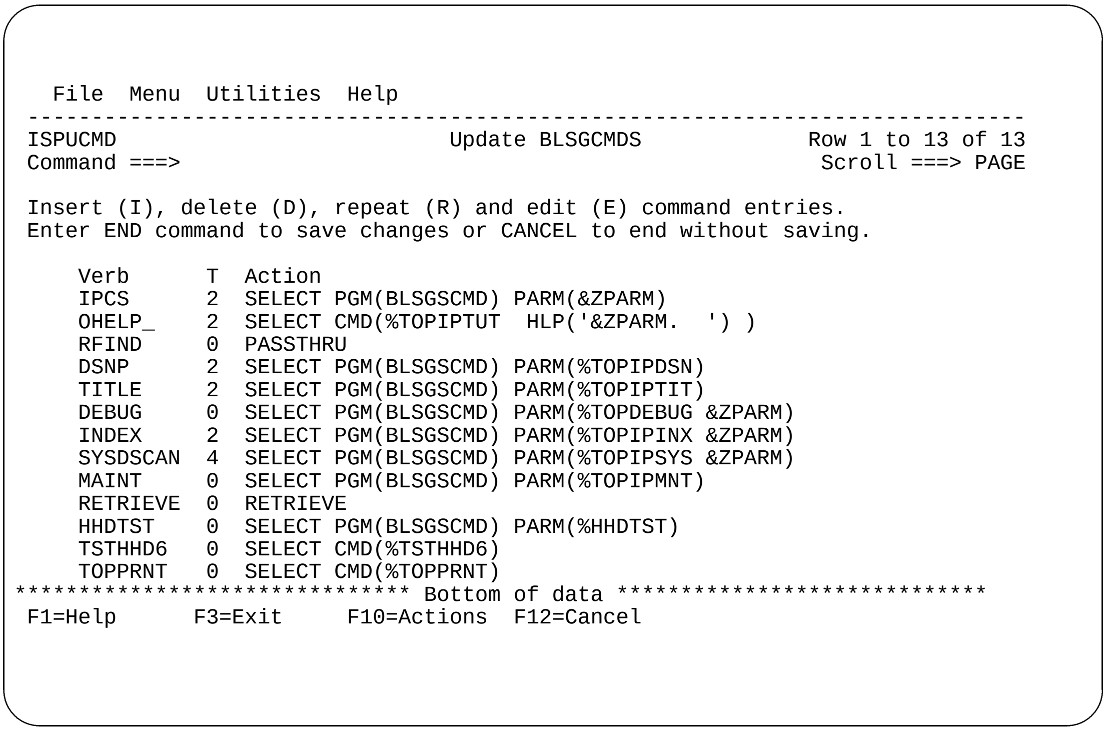
Example of ISPF 3.9 command table handling.

This is the ISPF command table modification panel for TOPCMDS, the ONTOP command table.

Actions
- Add or delete functions

As TOPCMDS is active during Logon of the ONTOP Userid it only can be viewed but not changed. To be able to change it, you must go to EXEC TOPSTART, and change TOP to XXX then LOGOFF and start again. After having done the modification switch back XXX to TOP, so the changes can become active at the next LOGON.
There is a comment line in TOPSTART as well as in LIBSTART for switching between TOP and XXX.

22.13 ISPF Command Table Modification Panel for BLSGCMDS



```
  File  Menu  Utilities  Help
-------------------------------------------------------------------------------
ISPUCMD                         Update BLSGCMDS            Row 1 to 13 of 13
Command ===>                                                Scroll ===> PAGE

Insert (I), delete (D), repeat (R) and edit (E) command entries.
Enter END command to save changes or CANCEL to end without saving.

    Verb      T  Action
    IPCS      2  SELECT PGM(BLSGSCMD) PARM(&ZPARM)
    OHELP_    2  SELECT CMD(%TOPIPTUT  HLP('&ZPARM.  ') )
    RFIND     0  PASSTHRU
    DSNP      2  SELECT PGM(BLSGSCMD) PARM(%TOPIPDSN)
    TITLE     2  SELECT PGM(BLSGSCMD) PARM(%TOPIPTIT)
    DEBUG     0  SELECT PGM(BLSGSCMD) PARM(%TOPDEBUG &ZPARM)
    INDEX     2  SELECT PGM(BLSGSCMD) PARM(%TOPIPINX &ZPARM)
    SYSDSCAN  4  SELECT PGM(BLSGSCMD) PARM(%TOPIPSYS &ZPARM)
    MAINT     0  SELECT PGM(BLSGSCMD) PARM(%TOPIPMNT)
    RETRIEVE  0  RETRIEVE
    HHDTST    0  SELECT PGM(BLSGSCMD) PARM(%HHDTST)
    TSTHHD6   0  SELECT CMD(%TSTHHD6)
    TOPPRNT   0  SELECT CMD(%TOPPRNT)
****************************** Bottom of data *****************************
F1=Help      F3=Exit     F10=Actions  F12=Cancel
```

Example of ISPF 3.9 command table handling.

This is the ISPF command table modification panel for BLSGCMDS, the IPCS command table

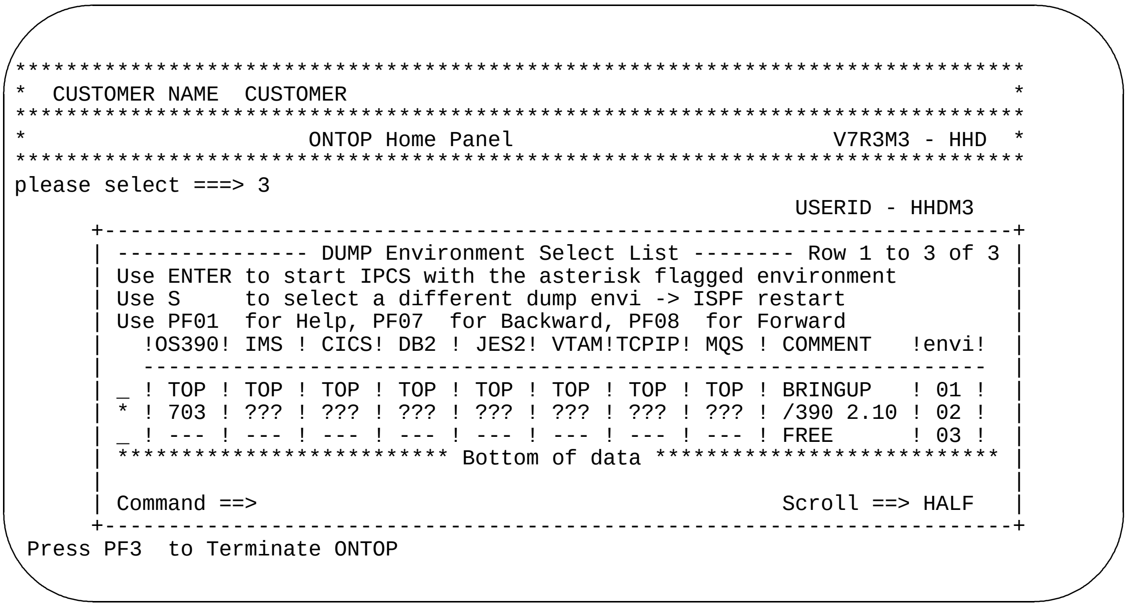
Actions

- Add or delete functions

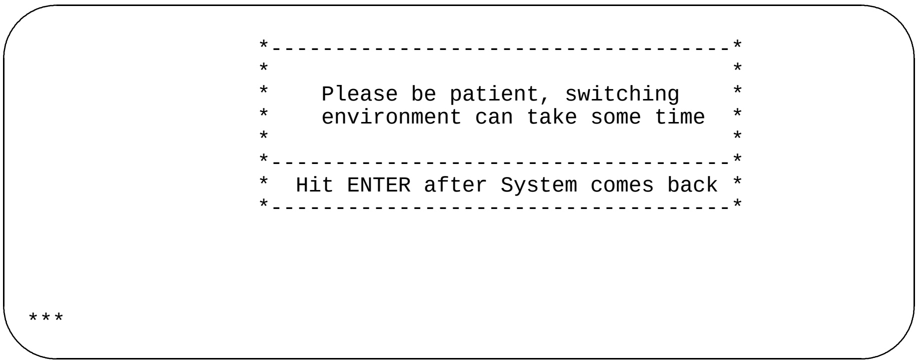
This is the end of initial ONTOP customization. Now some very short and simple function test should be performed.

23. ONTOP function test

23.1 Test ONTOP dump environment switching



```
********************************************************************************
*  CUSTOMER NAME  CUSTOMER                                                     *
********************************************************************************
*                      ONTOP Home Panel                         V7R3M3 - HHD   *
********************************************************************************
please select ===> 3
                                                             USERID - HHDM3
      +-----------------------------------------------------------------------+
      | --------------- DUMP Environment Select List -------- Row 1 to 3 of 3 |
      | Use ENTER to start IPCS with the asterisk flagged environment         |
      | Use S     to select a different dump envi -> ISPF restart             |
      | Use PF01  for Help, PF07  for Backward, PF08  for Forward             |
      |   !OS390! IMS ! CICS! DB2 ! JES2! VTAM!TCPIP! MQS ! COMMENT   !envi!  |
      |   ------------------------------------------------------------------  |
      | _ ! TOP ! TOP ! TOP ! TOP ! TOP ! TOP ! TOP ! TOP ! BRINGUP   ! 01 !  |
      | * ! 703 ! ??? ! ??? ! ??? ! ??? ! ??? ! ??? ! ??? ! /390 2.10 ! 02 !  |
      | _ ! --- ! --- ! --- ! --- ! --- ! --- ! --- ! --- ! FREE      ! 03 !  |
      | ************************** Bottom of data *************************** |
      |                                                                       |
      | Command ==>                                         Scroll ==> HALF   |
      +-----------------------------------------------------------------------+
 Press PF3  to Terminate ONTOP
```



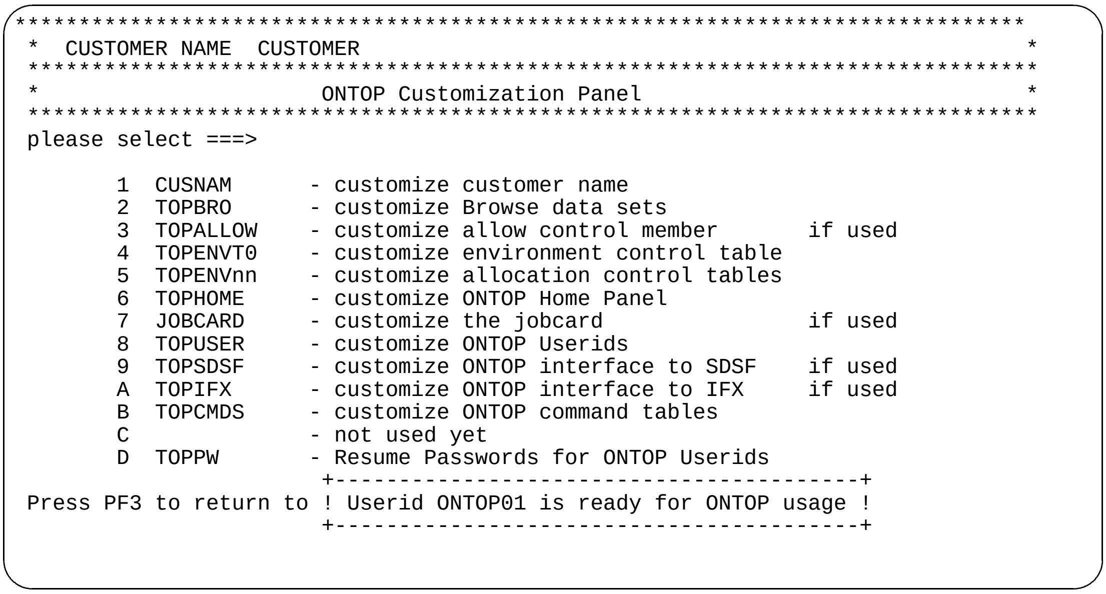
```
                  *------------------------------------*
                  *                                    *
                  *    Please be patient, switching    *
                  *    environment can take some time  *
                  *                                    *
                  *------------------------------------*
                  *  Hit ENTER after System comes back *
                  *------------------------------------*




***
```

Example of switching the dump environment

Actions

- Out of the ONTOP Home Panel select option “3” IPCS.
  This performs the sequence shown above
  Please test all available environments.

23.2 Test ONTOP userid/password management



```
********************************************************************************
*  CUSTOMER NAME  CUSTOMER                                                     *
********************************************************************************
*                      ONTOP Customization Panel                               *
********************************************************************************
please select ===>

       1  CUSNAM      - customize customer name
       2  TOPBRO      - customize Browse data sets
       3  TOPALLOW    - customize allow control member       if used
       4  TOPENVT0    - customize environment control table
       5  TOPENVnn    - customize allocation control tables
       6  TOPHOME     - customize ONTOP Home Panel
       7  JOBCARD     - customize the jobcard                if used
       8  TOPUSER     - customize ONTOP Userids
       9  TOPSDSF     - customize ONTOP interface to SDSF    if used
       A  TOPIFX      - customize ONTOP interface to IFX     if used
       B  TOPCMDS     - customize ONTOP command tables
       C              - not used yet
       D  TOPPW       - Resume Passwords for ONTOP Userids
                       +-----------------------------------------+
Press PF3 to return to ! Userid ONTOP01 is ready for ONTOP usage !
                       +-----------------------------------------+
```

Example of TOPPW action.

If customer is following the IBM suggested Userid/Password management, he can use this function to maintain the ONTOP work userids.

Actions

- From the ONTOP Home Panel go to CUSTOMIZE, select option “D” and wait for ONTOP to return the next available userid. (See example above)

24. Important message to the customer

The efficiency of ONTOP/OS390 is directly bound to it’s usability.
Only an ONTOP/OS390 optimal maintained and perfectly adapted to the customer environment can provide the best efficiency possible in an unforeseen problem situation. Therefore the following rules should be followed when using ONTOP/OS390:

1. Keep ONTOP logon procedure and the control tables up to date

- Keep TOPLOG up to date
- Keep TOPENVT0 up to date
- Keep TOPENVnn up to date
- Keep TOPSDSF up to date
- Keep IPCS members on PARMLIB and related product LIBS up to date

2. Do not migrate ONTOP data sets

Make sure ONTOP userid data sets which are needed during logon are no candidates for migration, especially not to Tape. This is causing long delays during logon, especially if the user is prompted to replay if the recall is really needed. If migration of Dump and Trace data sets can not be prevented please use a media which can be restored in a reasonable time frame. Also do not specify a short time frame for migration actions e.g. DAILY.

3. Give a region size of 256 MB to ONTOP userids

Make sure ONTOP users are allowed to run with a TSO region size of 256 MB since dumps from large subsystems and images with large common storage areas, require large Ontop/IPCS user regions to format the 'complete' control block structure. Not doing so can cause significant delays in dump and trace analysis.

4. Place ONTOP users in an optimized service class

Make sure ONTOP users do get sufficient CPU service. ONTOP respective IPCS user do not behave like normal TSO user which are typically short term transactions. IPCS users are causing long running transactions by formatting large Control Block Chains or Trace Tables. If treaded like normal TSO users from an SRM or WLM perspective, the long running IPCS command, will cause the TSO address space rapidly being moved into Performance Period 2 or 3 and less service time is given to the user.
This can again cause, not only frustration for the IPCS user, but cause significant delays in command execution as well major delays in problem analysis.

5. ONTOP step up should be known to the customer

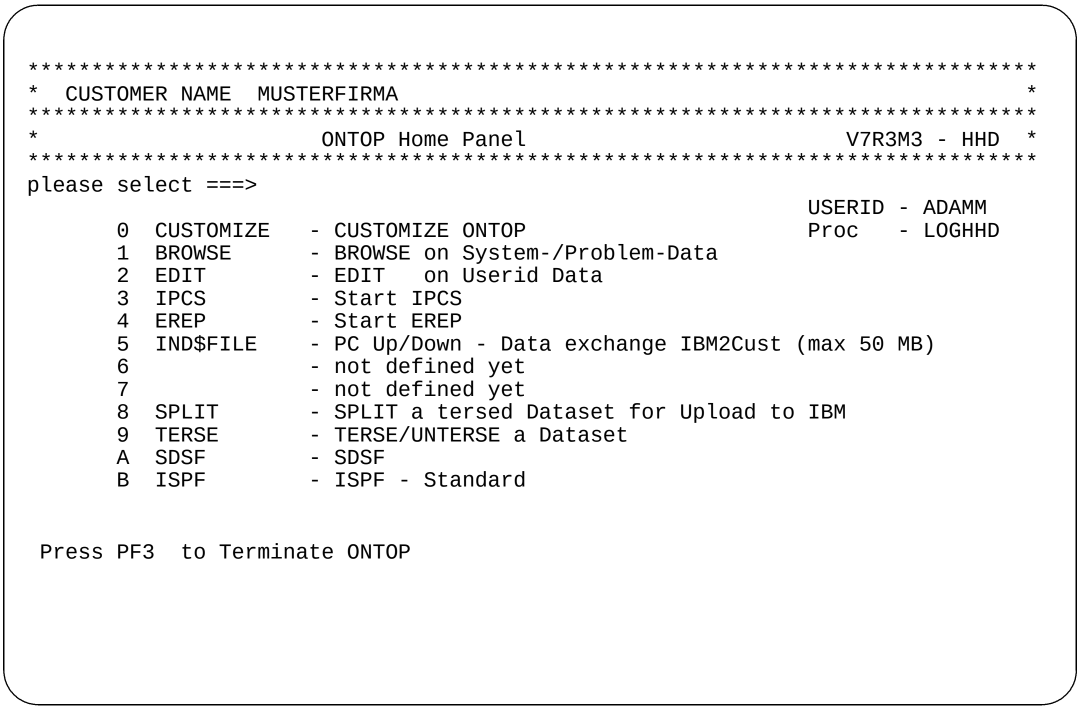
**EVERY SYSTEM CHANGE AFFECTING ONTOP
SHOULD BE REPORTED TO THE ONTOP TEAM
ONTOP@DE.IBM.COM**

25. ONTOP EREP Tailoring

ONTOP EREP Tailoring is only necessary, if this aid is used. Per default is this function not active. So the first step would be to EDIT panel TOPHOME and activate the EREP function under option 4. Then all the following subsequent actions must be performed.

Note
Since the EREP Module IFCEREP1 does not work without update authority on the logrec data set (even if only reporting is done) you have to give UPDATE access to the ONTOP userids.

25.1 Start at TOPHOME



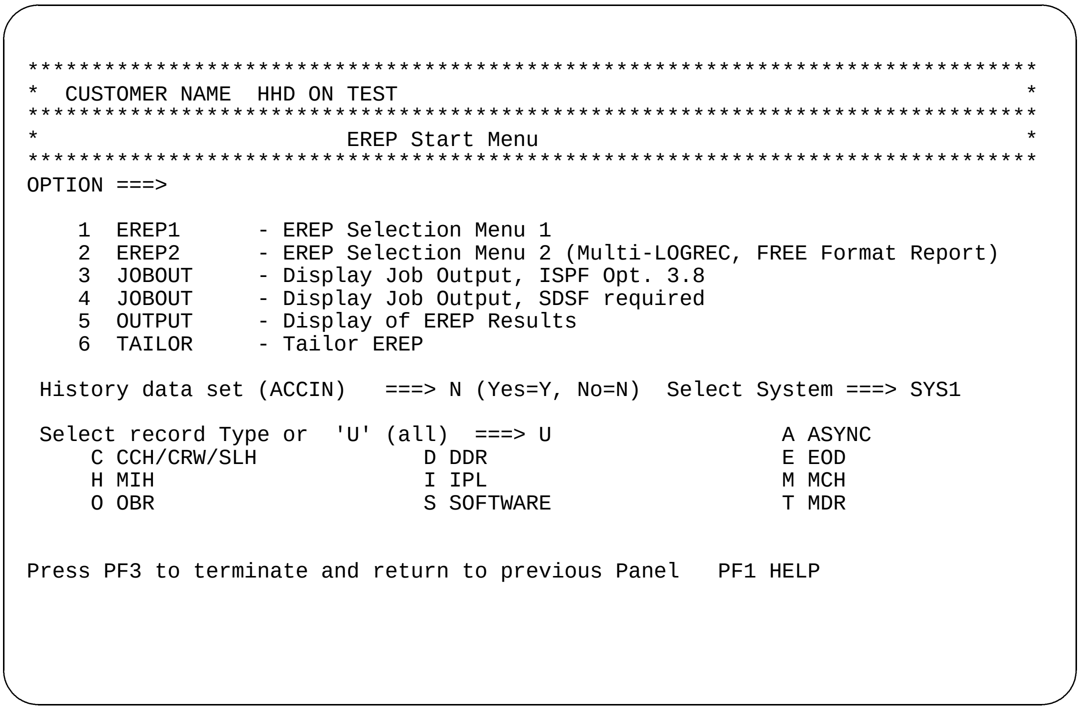
```
*******************************************************************************
*  CUSTOMER NAME  MUSTERFIRMA                                                 *
*******************************************************************************
*                      ONTOP Home Panel                         V7R3M3 - HHD  *
*******************************************************************************
please select ===>
                                                             USERID - ADAMM
       0  CUSTOMIZE   - CUSTOMIZE ONTOP                      Proc    - LOGHHD
       1  BROWSE      - BROWSE on System-/Problem-Data
       2  EDIT        - EDIT   on Userid Data
       3  IPCS        - Start IPCS
       4  EREP        - Start EREP
       5  IND$FILE    - PC Up/Down - Data exchange IBM2Cust (max 50 MB)
       6              - not defined yet
       7              - not defined yet
       8  SPLIT       - SPLIT a tersed Dataset for Upload to IBM
       9  TERSE       - TERSE/UNTERSE a Dataset
       A  SDSF        - SDSF
       B  ISPF        - ISPF - Standard


 Press PF3  to Terminate ONTOP
```

ONTOP Homepanel

Action

- Select Option 4 EREP

25.2 Start Menu



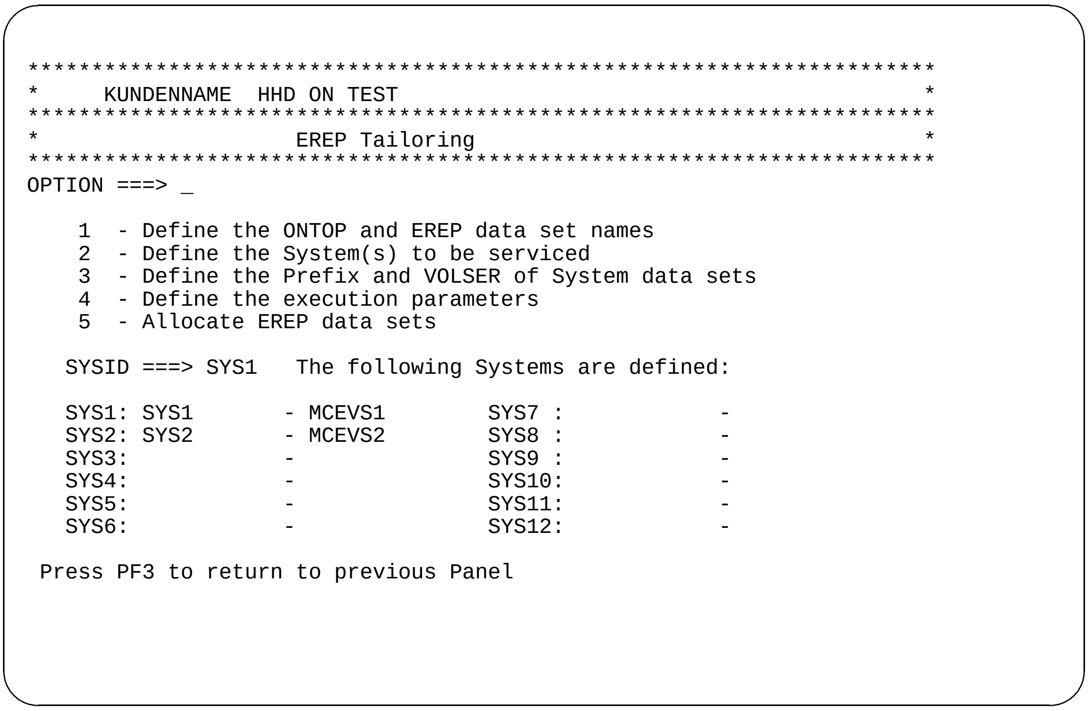
```
*******************************************************************************
*  CUSTOMER NAME  HHD ON TEST                                                 *
*******************************************************************************
*                        EREP Start Menu                                      *
*******************************************************************************
OPTION ===>

    1  EREP1      - EREP Selection Menu 1
    2  EREP2      - EREP Selection Menu 2 (Multi-LOGREC, FREE Format Report)
    3  JOBOUT     - Display Job Output, ISPF Opt. 3.8
    4  JOBOUT     - Display Job Output, SDSF required
    5  OUTPUT     - Display of EREP Results
    6  TAILOR     - Tailor EREP

 History data set (ACCIN)   ===> N (Yes=Y, No=N)  Select System ===> SYS1

 Select record Type or  'U' (all)  ===> U                  A ASYNC
     C CCH/CRW/SLH             D DDR                       E EOD
     H MIH                     I IPL                       M MCH
     O OBR                     S SOFTWARE                  T MDR


Press PF3 to terminate and return to previous Panel   PF1 HELP
```

EREP Start Panel

Action

- Select Option 6 EREP Tailoring

25.3 EREP Tailoring



```
***********************************************************************
*     KUNDENNAME  HHD ON TEST                                         *
***********************************************************************
*                    EREP Tailoring                                   *
***********************************************************************
OPTION ===> _

    1  - Define the ONTOP and EREP data set names
    2  - Define the System(s) to be serviced
    3  - Define the Prefix and VOLSER of System data sets
    4  - Define the execution parameters
    5  - Allocate EREP data sets

   SYSID ===> SYS1   The following Systems are defined:

   SYS1: SYS1       - MCEVS1       SYS7 :            -
   SYS2: SYS2       - MCEVS2       SYS8 :            -
   SYS3:            -              SYS9 :            -
   SYS4:            -              SYS10:            -
   SYS5:            -              SYS11:            -
   SYS6:            -              SYS12:            -

 Press PF3 to return to previous Panel
```

EREP Tailoring for ONTOP

Action

- Please see online help

26. ONTOP Interface to customer environment

There is a simple ONTOP interface to the customer environment. It can be called by using a command like:

EX 'ONTOP.V7R3M3.ISPCLIB(LIBSTART)'

The EXEC I2CUS on ONTOP ISPCLIB contains this command. It can be copied to a SYSPROC data set used by the customer.
The I2CUS interface expects the customer environment to have allocated all the libraries needed for dump analysis.
LIBSTART only adds the ONTOP libraries to the existing environment.
There are 4 more EXECs and 1 Panel to get the customer interface running.

Additional ONTOP code on ISPCLIB

- LIBSTART -> Customer Interface EXEC
- LIBHOME -> Start ONTOP application
- LIBIPCS -> IPCS Start EXEC
- LIBIPCSA -> IPCS alloc EXEC

Additional ONTOP code on ISPPLIB

- LIBHOME -> ONTOP Home Panel

Advantages and Disadvantages of using the customer interface versus the ONTOP LOGON procedure.

- Advantage

    - easy to implement
    - easy to maintain

- Disadvantages

    - no isolated IBM environment
    - no dump environment switching
    - not possible to use one ONTOP installation in a Parallel-Sysplex

Only the LIBSTART EXEC and the LIBHOME Panel will be discussed here, but it might be necessary to check the other 3 EXECs as well ?

Conclusion
I2CUS should only be used by customer but not by IBM.

26.1 ONTOP Customer Interface Start EXEC LIBSTART

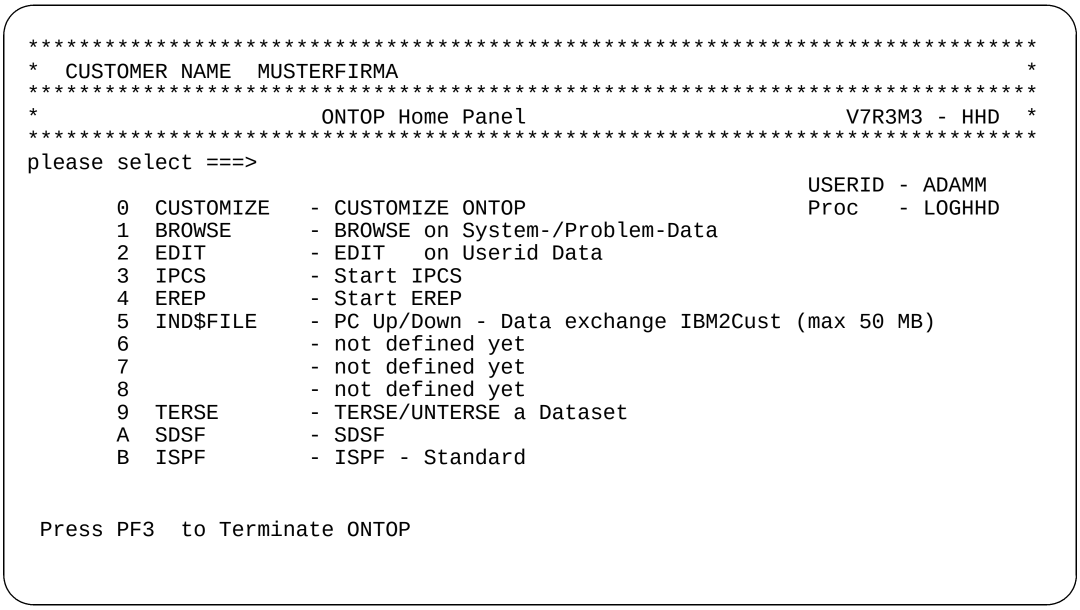
```
/*REXX****************************************************************/
/*                           'ONTOP'                                  */
/*                 IBM TECHNISCHER AUSSENDIENST                       */
/*--------------------------------------------------------------------*/
/*  LEVEL: V7R3M3                                                     */
/*--------------------------------------------------------------------*/
/*  .                                                                 */
/*  .                                                                 */
/*  .                                                                 */
/*--------------------------------------------------------------------*/
/*  Hinweis: change TOPHLQ if default is not used                     */
/*--------------------------------------------------------------------*/
/*  CHANGE HISTORY:                                                   */
/*                                                                    */
/*  NAME:      DATE:      DESCRIPTION:                                */
/*                                                                    */
/*                                                                    */
/**********************************************************************/
TRACE 'O'                                    /* JUST FOR TRACING      */
                                             /*                       */
TOPHLQ = 'ONTOP.V7R3M3'                      /* ONTOP   prefix        */
                                             /*                       */
TOP_PROC = "'"TOPHLQ".ISPCLIB'"              /* ONTOP EXECS           */
TOP_PANS = "'"TOPHLQ".ISPPLIB'"              /* ONTOP PANELS          */
TOP_MSGS = "'"TOPHLQ".ISPMLIB'"              /* ONTOP MESSAGES        */
TOP_SKEL = "'"TOPHLQ".ISPSLIB'"              /* ONTOP SKELETONS       */
TOP_TLIB = "'"TOPHLQ".ISPTLIB'"              /* ONTOP TABLE INTPUT    */
TOP_TABL = "'"TOPHLQ".ISPTLIB'"              /* ONTOP TABLE OUTPUT    */
                                             /*                       */
"ALLOC F(TOPPROC) DA("TOP_PROC") SHR REUS"   /* ALLOC TO DD TOPPROC   */
"ALLOC F(TOPPANS) DA("TOP_PANS") SHR REUS"   /* ALLOC TO DD TOPPANS   */
"ALLOC F(TOPMSGS) DA("TOP_MSGS") SHR REUS"   /* ALLOC TO DD TOPMSGS   */
"ALLOC F(TOPSKEL) DA("TOP_SKEL") SHR REUS"   /* ALLOC TO DD TOPSKEL   */
"ALLOC F(TOPTLIB) DA("TOP_TLIB") SHR REUS"   /* ALLOC TO DD TOPTLIB   */
"ALLOC F(TOPTABL) DA("TOP_TABL") SHR REUS"   /* ALLOC TO DD TOPTABL   */
                                             /*                       */
"ALTLIB ACT APPLICATION(CLIST) F(TOPPROC)"   /*                       */
                                             /*                       */
ADDRESS ISPEXEC                              /* TELL REXX ABOUT ISPF  */
   "LIBDEF ISPPLIB LIBRARY ID(TOPPANS)"      /* LIBDEFS FOR PANELS    */
   "LIBDEF ISPMLIB LIBRARY ID(TOPMSGS)"      /* LIBDEFS FOR MSGS      */
   "LIBDEF ISPSLIB LIBRARY ID(TOPSKEL)"      /* LIBDEFS FOR SKELS     */
   "LIBDEF ISPTLIB LIBRARY ID(TOPTLIB)"      /* LIBDEFS FOR TLIBS     */
   "LIBDEF ISPTABL LIBRARY ID(TOPTABL)"      /* LIBDEFS FOR TABLS     */
                                             /*                       */
   "SELECT CMD(%LIBHOME) NEWAPPL(TOP) PASSLIB"/*GO ON WITH ONTOP      */
/* "SELECT CMD(%LIBHOME) NEWAPPL(XXX) PASSLIB"  GO ON WITH ONTOP      */
                                             /*                       */
   "LIBDEF ISPPLIB"                          /* CLEAR ISPMLIB ALLOCS  */
   "LIBDEF ISPMLIB"                          /* CLEAR ISPMLIB ALLOCS  */
   "LIBDEF ISPSLIB"                          /* CLEAR ISPSLIB ALLOCS  */
   "LIBDEF ISPTLIB"                          /* CLEAR ISPTLIB ALLOCS  */
   "LIBDEF ISPTABL"                          /* CLEAR ISPTABL ALLOCS  */
                                             /*                       */
ADDRESS TSO                                  /* TELL REXX ABOUT TSO   */
   "ALTLIB DEACTIVATE APPLICATION(*)"        /* RESET APPL CLIST      */
   "FREE F(TOPPROC TOPPANS TOPMSGS TOPSKEL,  /* FREE LIBDEF DD NAMES  */
           TOPTLIB TOPTABL)"                 /*                       */
EXIT                                         /* OK. THAT'S IT !!      */
```

ONTOP start exec to customer interface

Actions

- do as requested under Hinweis

27. Using description

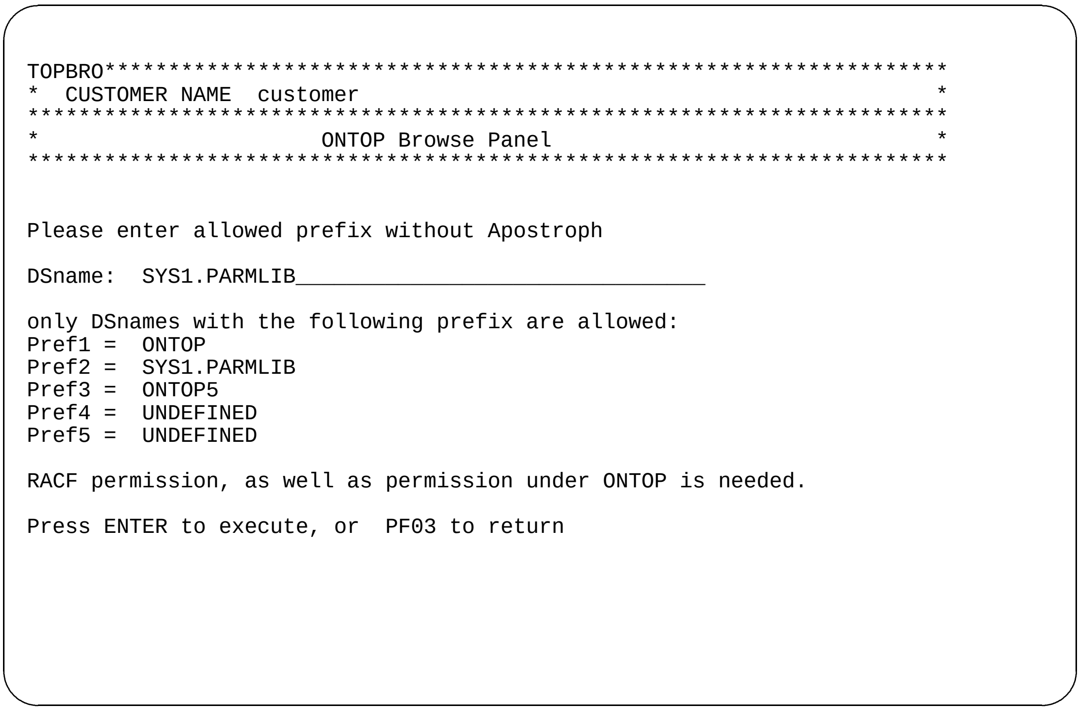


```
*******************************************************************************
*  CUSTOMER NAME  MUSTERFIRMA                                                 *
*******************************************************************************
*                      ONTOP Home Panel                         V7R3M3 - HHD  *
*******************************************************************************
please select ===>
                                                             USERID - ADAMM
       0  CUSTOMIZE   - CUSTOMIZE ONTOP                      Proc   - LOGHHD
       1  BROWSE      - BROWSE on System-/Problem-Data
       2  EDIT        - EDIT   on Userid Data
       3  IPCS        - Start IPCS
       4  EREP        - Start EREP
       5  IND$FILE    - PC Up/Down - Data exchange IBM2Cust (max 50 MB)
       6              - not defined yet
       7              - not defined yet
       8              - not defined yet
       9  TERSE       - TERSE/UNTERSE a Dataset
       A  SDSF        - SDSF
       B  ISPF        - ISPF - Standard


 Press PF3  to Terminate ONTOP
```

ONTOP Home Panel

This is the ONTOP Home Panel.
Just select the option you would like to use.

27.1 Using ONTOP Browse

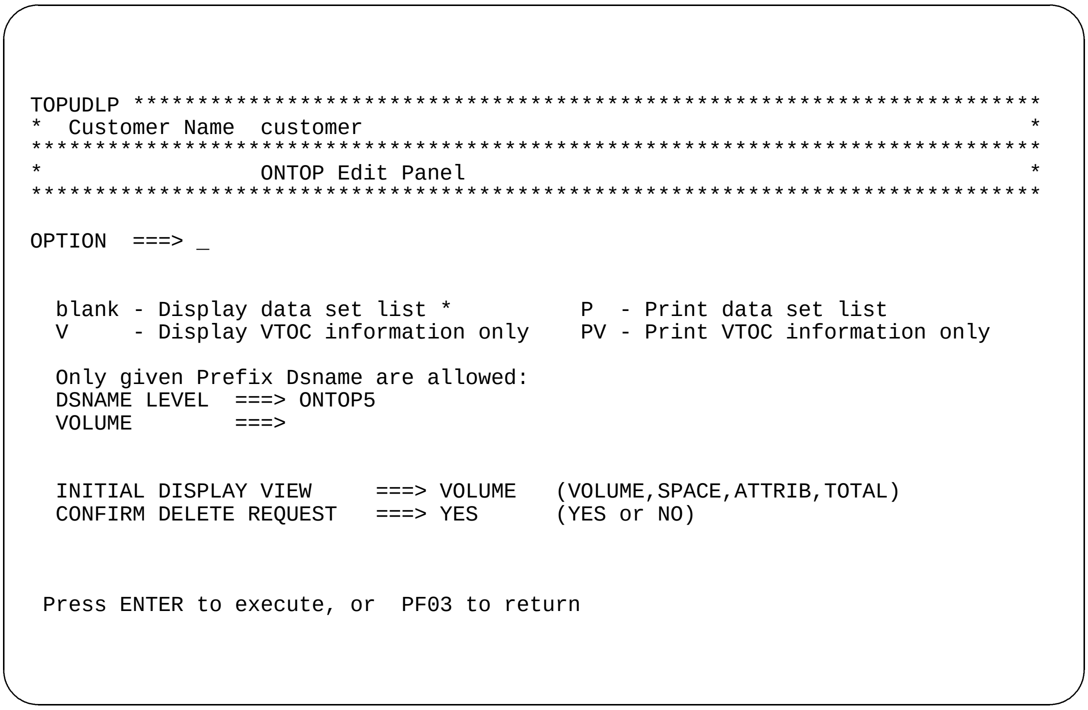


```
TOPBRO******************************************************************
*  CUSTOMER NAME  customer                                             *
************************************************************************
*                      ONTOP Browse Panel                              *
************************************************************************


Please enter allowed prefix without Apostroph

DSname:  SYS1.PARMLIB________________________________

only DSnames with the following prefix are allowed:
Pref1 =  ONTOP
Pref2 =  SYS1.PARMLIB
Pref3 =  ONTOP5
Pref4 =  UNDEFINED
Pref5 =  UNDEFINED

RACF permission, as well as permission under ONTOP is needed.

Press ENTER to execute, or  PF03 to return
```

ONTOP Browse Panel

If ISPF is not available, then BROWSE is the only way to get access to other data beside data under the userid qualifier.

27.2 Using ONTOP Edit



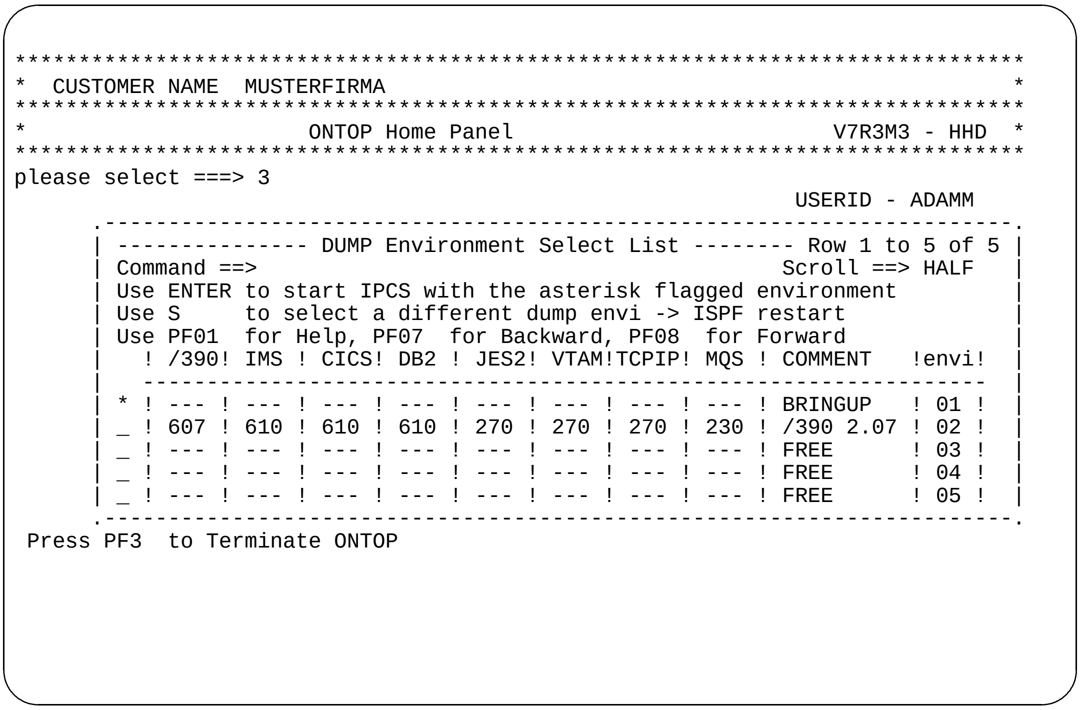
```
TOPUDLP ************************************************************************
*  Customer Name  customer                                                     *
********************************************************************************
*                 ONTOP Edit Panel                                             *
********************************************************************************

OPTION  ===> _


  blank - Display data set list *          P  - Print data set list
  V     - Display VTOC information only    PV - Print VTOC information only

  Only given Prefix Dsname are allowed:
  DSNAME LEVEL  ===> ONTOP5
  VOLUME        ===>


  INITIAL DISPLAY VIEW     ===> VOLUME   (VOLUME,SPACE,ATTRIB,TOTAL)
  CONFIRM DELETE REQUEST   ===> YES      (YES or NO)



 Press ENTER to execute, or  PF03 to return
```

ONTOP Edit Panel

The ONTOP Edit Panel is the place where the user can play around with it's own data. What means full responsibility for all the actions he does to it's own data.

27.3 Using IPCS

27.3.1 Dump Environment Select List

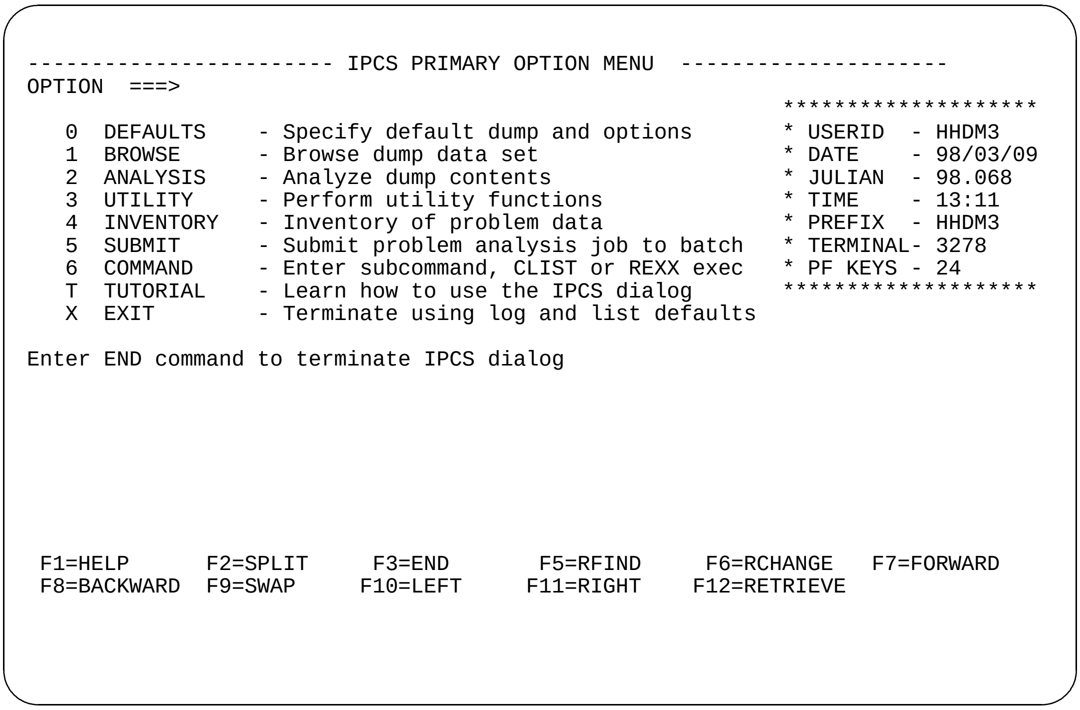


```
*******************************************************************************
*  CUSTOMER NAME  MUSTERFIRMA                                                 *
*******************************************************************************
*                      ONTOP Home Panel                         V7R3M3 - HHD  *
*******************************************************************************
please select ===> 3
                                                             USERID - ADAMM
      .-----------------------------------------------------------------------.
      | --------------- DUMP Environment Select List -------- Row 1 to 5 of 5 |
      | Command ==>                                         Scroll ==> HALF   |
      | Use ENTER to start IPCS with the asterisk flagged environment         |
      | Use S     to select a different dump envi -> ISPF restart             |
      | Use PF01  for Help, PF07  for Backward, PF08  for Forward             |
      |   ! /390! IMS ! CICS! DB2 ! JES2! VTAM!TCPIP! MQS ! COMMENT   !envi!  |
      |   ------------------------------------------------------------------  |
      | * ! --- ! --- ! --- ! --- ! --- ! --- ! --- ! --- ! BRINGUP   ! 01 !  |
      | _ ! 607 ! 610 ! 610 ! 610 ! 270 ! 270 ! 270 ! 230 ! /390 2.07 ! 02 !  |
      | _ ! --- ! --- ! --- ! --- ! --- ! --- ! --- ! --- ! FREE      ! 03 !  |
      | _ ! --- ! --- ! --- ! --- ! --- ! --- ! --- ! --- ! FREE      ! 04 !  |
      | _ ! --- ! --- ! --- ! --- ! --- ! --- ! --- ! --- ! FREE      ! 05 !  |
      .-----------------------------------------------------------------------.
 Press PF3  to Terminate ONTOP
```

ONTOP Dump Environment Selection Menu

The first panel shown after selecting option 3 in the ONTOP Home Panel is the Dump Environment Select List (POP_UP TOPENVI).
The active environment is always placed in the top line.
If no other environment has to be chosen, just hit ENTER to go to IPCS.

27.3.2 IPCS Primary Option Menu

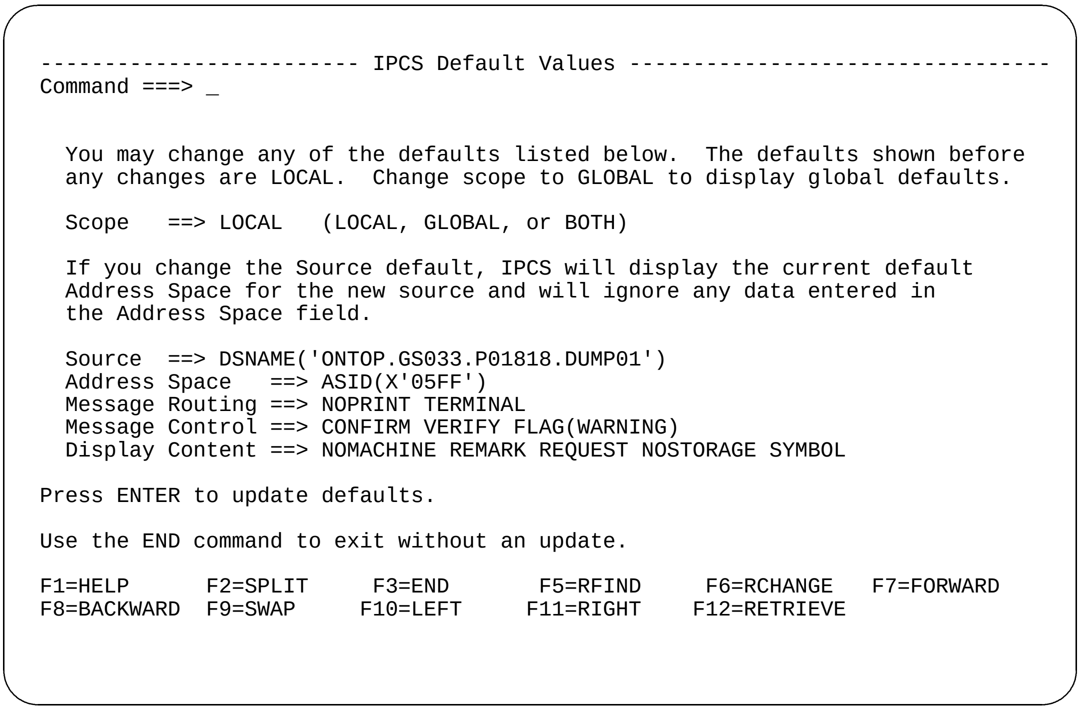


```
------------------------ IPCS PRIMARY OPTION MENU  ---------------------
OPTION  ===>
                                                           ********************
   0  DEFAULTS    - Specify default dump and options       * USERID  - HHDM3
   1  BROWSE      - Browse dump data set                   * DATE    - 98/03/09
   2  ANALYSIS    - Analyze dump contents                  * JULIAN  - 98.068
   3  UTILITY     - Perform utility functions              * TIME    - 13:11
   4  INVENTORY   - Inventory of problem data              * PREFIX  - HHDM3
   5  SUBMIT      - Submit problem analysis job to batch   * TERMINAL- 3278
   6  COMMAND     - Enter subcommand, CLIST or REXX exec   * PF KEYS - 24
   T  TUTORIAL    - Learn how to use the IPCS dialog       ********************
   X  EXIT        - Terminate using log and list defaults

Enter END command to terminate IPCS dialog








 F1=HELP      F2=SPLIT     F3=END       F5=RFIND     F6=RCHANGE   F7=FORWARD
 F8=BACKWARD  F9=SWAP     F10=LEFT     F11=RIGHT    F12=RETRIEVE
```

IPCS Primary Option Menu

The IPCS Primary Option Menu (BLSPPRIM) is the first original IPCS Menu. Standard IPCS usage is performed here.

27.3.3 IPCS Default Values



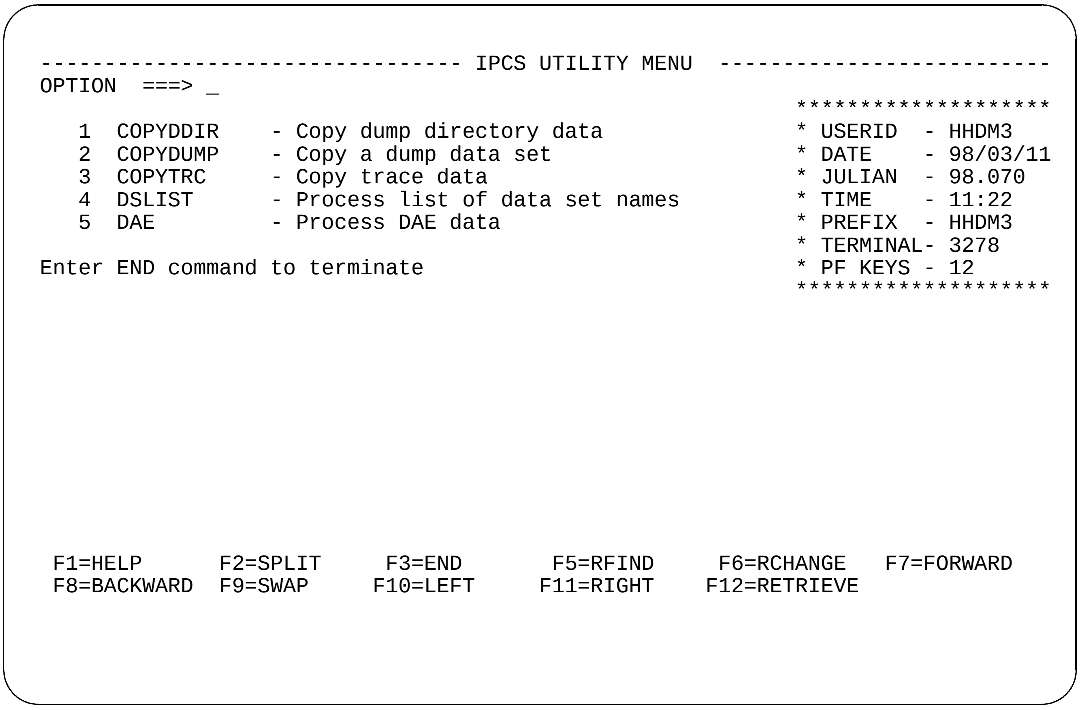
```
------------------------ IPCS Default Values ---------------------------------
Command ===> _


  You may change any of the defaults listed below.  The defaults shown before
  any changes are LOCAL.  Change scope to GLOBAL to display global defaults.

  Scope   ==> LOCAL   (LOCAL, GLOBAL, or BOTH)

  If you change the Source default, IPCS will display the current default
  Address Space for the new source and will ignore any data entered in
  the Address Space field.

  Source  ==> DSNAME('ONTOP.GS033.P01818.DUMP01')
  Address Space   ==> ASID(X'05FF')
  Message Routing ==> NOPRINT TERMINAL
  Message Control ==> CONFIRM VERIFY FLAG(WARNING)
  Display Content ==> NOMACHINE REMARK REQUEST NOSTORAGE SYMBOL

Press ENTER to update defaults.

Use the END command to exit without an update.

F1=HELP      F2=SPLIT     F3=END       F5=RFIND     F6=RCHANGE   F7=FORWARD
F8=BACKWARD  F9=SWAP     F10=LEFT     F11=RIGHT    F12=RETRIEVE
```

IPCS Default Values

Menu BLSPSETD is where the IPCS default values can be set. The way it acts, is predefined by member IPCSPR00 in the PARMLIB.

Remark: It is also possible, to go straight to Option 6 and use SETDEF to set the defaults.

27.3.4 IPCS Utility Menu

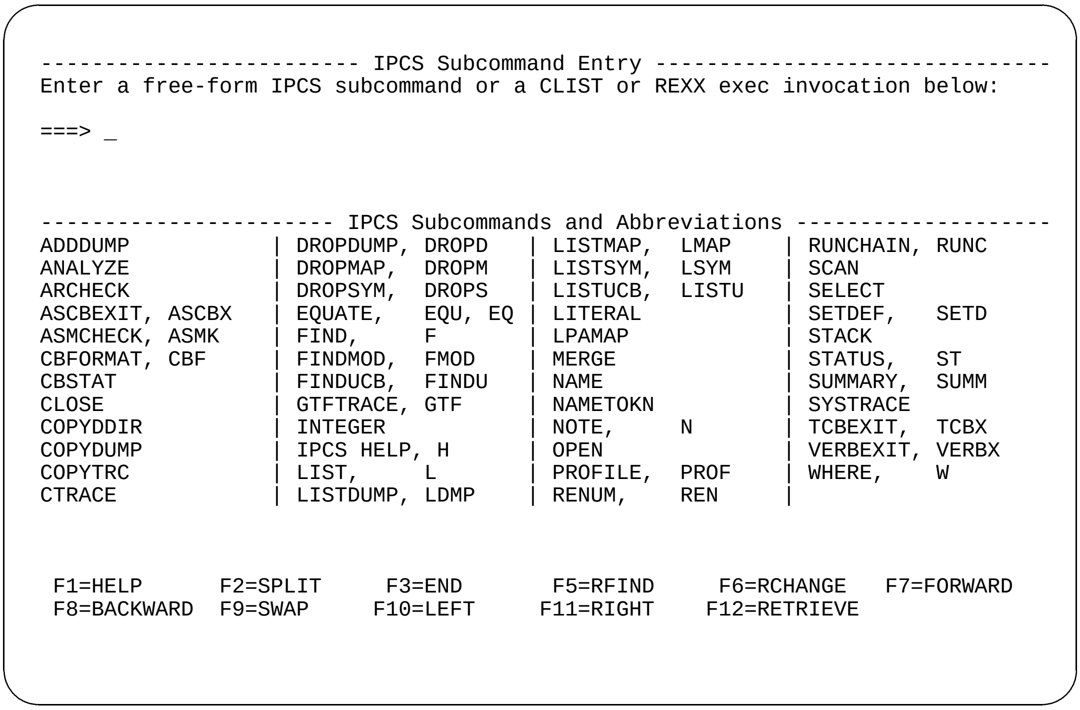


```
--------------------------------- IPCS UTILITY MENU  --------------------------
OPTION  ===> _
                                                           ********************
   1  COPYDDIR    - Copy dump directory data               * USERID  - HHDM3
   2  COPYDUMP    - Copy a dump data set                   * DATE    - 98/03/11
   3  COPYTRC     - Copy trace data                        * JULIAN  - 98.070
   4  DSLIST      - Process list of data set names         * TIME    - 11:22
   5  DAE         - Process DAE data                       * PREFIX  - HHDM3
                                                           * TERMINAL- 3278
Enter END command to terminate                             * PF KEYS - 12
                                                           ********************









 F1=HELP      F2=SPLIT     F3=END       F5=RFIND     F6=RCHANGE   F7=FORWARD
 F8=BACKWARD  F9=SWAP     F10=LEFT     F11=RIGHT    F12=RETRIEVE
```

IPCS Utility Menu

Here are some utilities to handle IPCS data sets.

27.3.5 IPCS Subcommand Entry

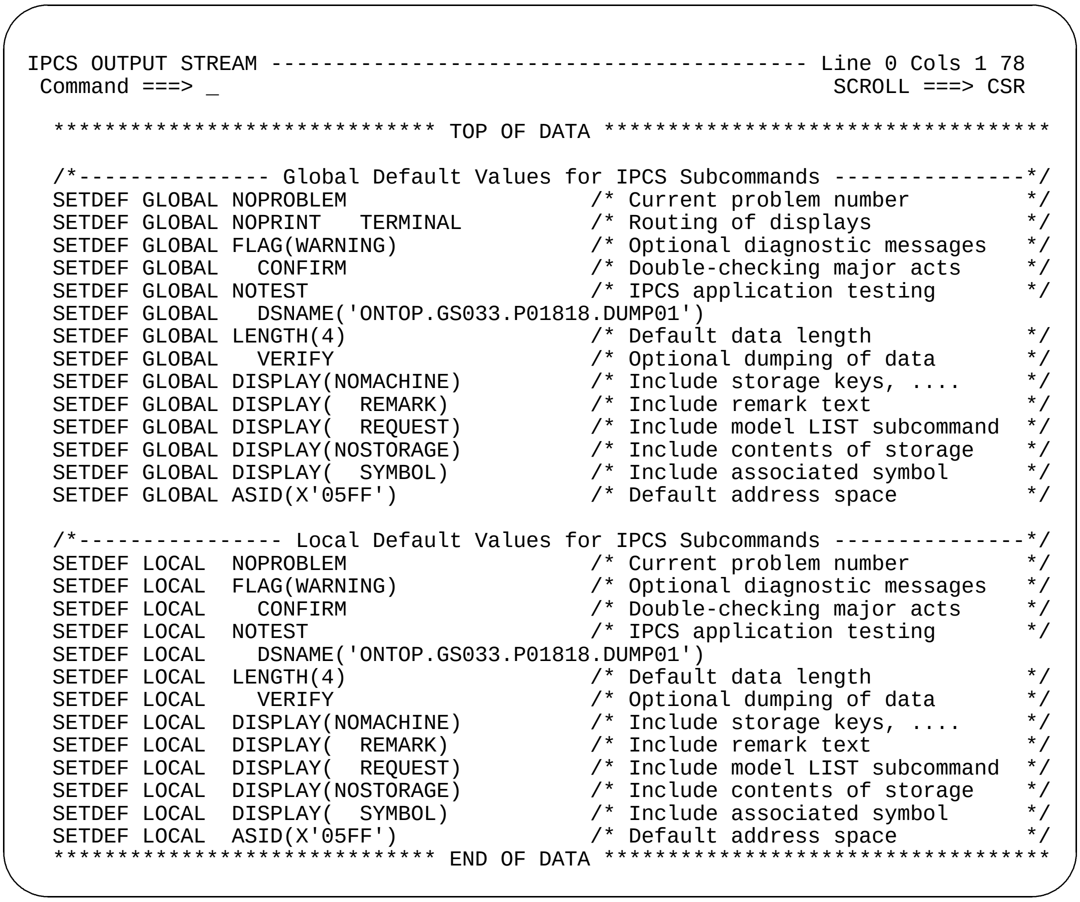


```
------------------------- IPCS Subcommand Entry -------------------------------
Enter a free-form IPCS subcommand or a CLIST or REXX exec invocation below:

===> _



----------------------- IPCS Subcommands and Abbreviations --------------------
ADDDUMP           | DROPDUMP, DROPD   | LISTMAP,  LMAP    | RUNCHAIN, RUNC
ANALYZE           | DROPMAP,  DROPM   | LISTSYM,  LSYM    | SCAN
ARCHECK           | DROPSYM,  DROPS   | LISTUCB,  LISTU   | SELECT
ASCBEXIT, ASCBX   | EQUATE,   EQU, EQ | LITERAL           | SETDEF,   SETD
ASMCHECK, ASMK    | FIND,     F       | LPAMAP            | STACK
CBFORMAT, CBF     | FINDMOD,  FMOD    | MERGE             | STATUS,   ST
CBSTAT            | FINDUCB,  FINDU   | NAME              | SUMMARY,  SUMM
CLOSE             | GTFTRACE, GTF     | NAMETOKN          | SYSTRACE
COPYDDIR          | INTEGER           | NOTE,     N       | TCBEXIT,  TCBX
COPYDUMP          | IPCS HELP, H      | OPEN              | VERBEXIT, VERBX
COPYTRC           | LIST,     L       | PROFILE,  PROF    | WHERE,    W
CTRACE            | LISTDUMP, LDMP    | RENUM,    REN     |



 F1=HELP      F2=SPLIT     F3=END       F5=RFIND     F6=RCHANGE   F7=FORWARD
 F8=BACKWARD  F9=SWAP     F10=LEFT     F11=RIGHT    F12=RETRIEVE
```

IPCS Subcommand Entry

At panel BLSPDSLE all the Subcommands under IPCS are shown. This is probably the favorite place for software service people.

27.3.6 IPCS Setdef Display



```
IPCS OUTPUT STREAM ------------------------------------------ Line 0 Cols 1 78
 Command ===> _                                                SCROLL ===> CSR

  ****************************** TOP OF DATA ***********************************

  /*--------------- Global Default Values for IPCS Subcommands ---------------*/
  SETDEF GLOBAL NOPROBLEM                   /* Current problem number         */
  SETDEF GLOBAL NOPRINT   TERMINAL          /* Routing of displays            */
  SETDEF GLOBAL FLAG(WARNING)               /* Optional diagnostic messages   */
  SETDEF GLOBAL   CONFIRM                   /* Double-checking major acts     */
  SETDEF GLOBAL NOTEST                      /* IPCS application testing       */
  SETDEF GLOBAL   DSNAME('ONTOP.GS033.P01818.DUMP01')
  SETDEF GLOBAL LENGTH(4)                   /* Default data length            */
  SETDEF GLOBAL   VERIFY                    /* Optional dumping of data       */
  SETDEF GLOBAL DISPLAY(NOMACHINE)          /* Include storage keys, ....     */
  SETDEF GLOBAL DISPLAY(  REMARK)           /* Include remark text            */
  SETDEF GLOBAL DISPLAY(  REQUEST)          /* Include model LIST subcommand  */
  SETDEF GLOBAL DISPLAY(NOSTORAGE)          /* Include contents of storage    */
  SETDEF GLOBAL DISPLAY(  SYMBOL)           /* Include associated symbol      */
  SETDEF GLOBAL ASID(X'05FF')               /* Default address space          */

  /*---------------- Local Default Values for IPCS Subcommands ---------------*/
  SETDEF LOCAL  NOPROBLEM                   /* Current problem number         */
  SETDEF LOCAL  FLAG(WARNING)               /* Optional diagnostic messages   */
  SETDEF LOCAL    CONFIRM                   /* Double-checking major acts     */
  SETDEF LOCAL  NOTEST                      /* IPCS application testing       */
  SETDEF LOCAL    DSNAME('ONTOP.GS033.P01818.DUMP01')
  SETDEF LOCAL  LENGTH(4)                   /* Default data length            */
  SETDEF LOCAL    VERIFY                    /* Optional dumping of data       */
  SETDEF LOCAL  DISPLAY(NOMACHINE)          /* Include storage keys, ....     */
  SETDEF LOCAL  DISPLAY(  REMARK)           /* Include remark text            */
  SETDEF LOCAL  DISPLAY(  REQUEST)          /* Include model LIST subcommand  */
  SETDEF LOCAL  DISPLAY(NOSTORAGE)          /* Include contents of storage    */
  SETDEF LOCAL  DISPLAY(  SYMBOL)           /* Include associated symbol      */
  SETDEF LOCAL  ASID(X'05FF')               /* Default address space          */
  ****************************** END OF DATA ***********************************
```

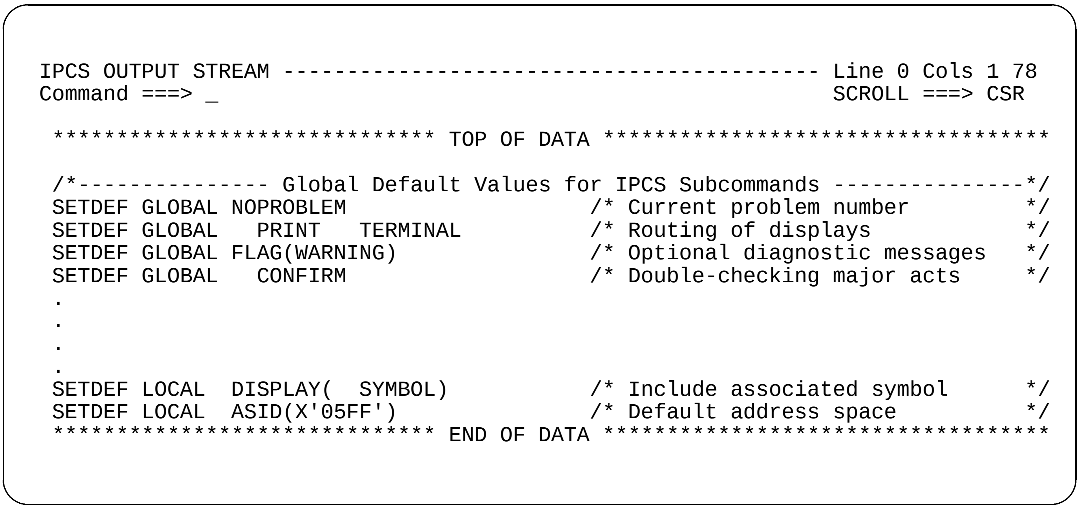
IPCS Setdef Display

First thing someone should do before starting dump analyzing is have a look at the settings. By typing in SETDEF the IPCS settings for scope = GLOBAL and scope = LOCAL will be shown.
If something is not like the user expects it to be, he must go back and change it in panel BLSPDSLE.
For example the dsname can be changed by typing in:
setdef dsn('aaaaaa.bbbbb.cccccc'

27.3.7 IPCS and printing

To use the print function under IPCS the two IPCS print data sets
userid.IPCSPRTN.TEMP
userid.IPCSTOC.TEMP
must be allocated, what is always true if you work under ONTOP.
Further on you should check the settings at panel BLSPDSLE, by using SETDEF.

27.3.8 IPCS Setdef Display



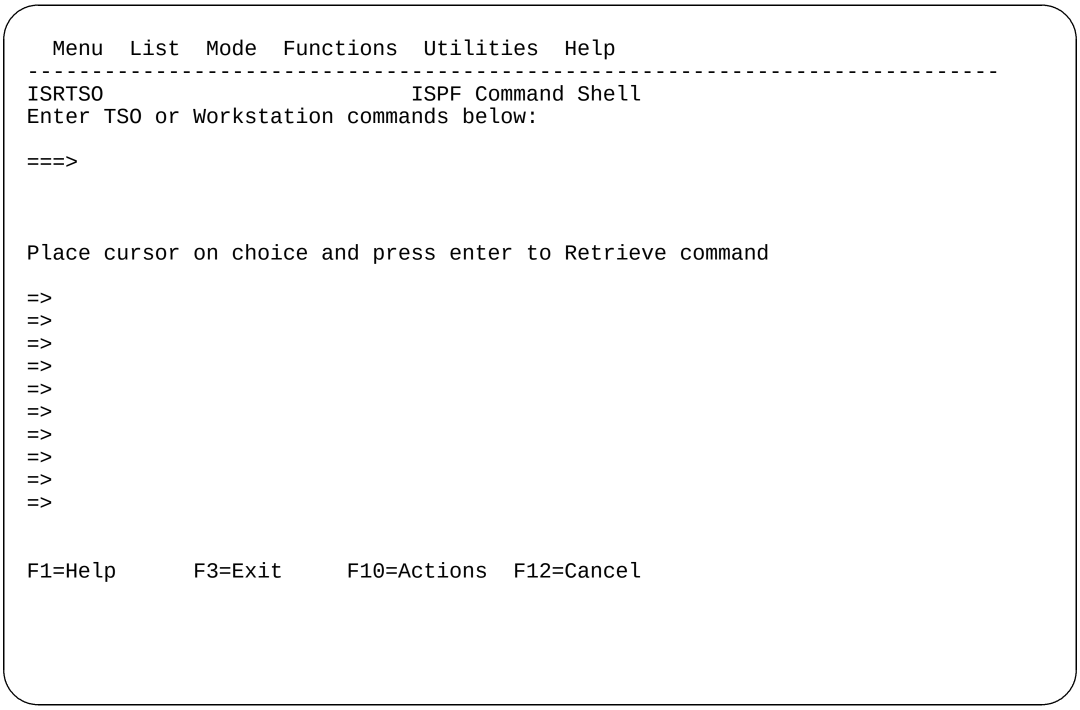
```
IPCS OUTPUT STREAM ------------------------------------------ Line 0 Cols 1 78
Command ===> _                                                SCROLL ===> CSR

 ****************************** TOP OF DATA **********************************

 /*--------------- Global Default Values for IPCS Subcommands ---------------*/
 SETDEF GLOBAL NOPROBLEM                  /* Current problem number         */
 SETDEF GLOBAL   PRINT   TERMINAL         /* Routing of displays            */
 SETDEF GLOBAL FLAG(WARNING)              /* Optional diagnostic messages   */
 SETDEF GLOBAL   CONFIRM                  /* Double-checking major acts     */
 .
 .
 .
 .
 SETDEF LOCAL  DISPLAY(  SYMBOL)          /* Include associated symbol      */
 SETDEF LOCAL  ASID(X'05FF')              /* Default address space          */
 ****************************** END OF DATA **********************************
```

IPCS Setdef Display

If NOPRINT is shown it must be set to PRINT by typing SETDEF PRINT at panel BLSPDSLE.
To make sure the print buffer is open just type in OPEN PRINT as well. If the buffer is already open,
BLS21046I PRINT FILE(IPCSPRNT) is already open
is displayed. This is just an information and doesn't cause any problem.
Now you have to issue the IPCS command to retrieve the output you would like to see. In order to have it printed in IPCSPRNT you must browse over all the relevant data you like to see, to fill the buffer. Then you must issue a CLOSE PRINT and all the data seen during browse will be captured in IPCSPRNT.
If you experience
BLS2106I PRINT file not open
during close, then your IPCS print buffer has not been open and no data is captured.

Note
Under ONTOP the procedure mentioned in the description above is automated. Just say "TOPPRT" somewhere in the IPCS environment and the data captured in IPCSPRNT will be displayed.
.

27.4 Using PC UP and Down



```
  Menu  List  Mode  Functions  Utilities  Help
----------------------------------------------------------------------------
ISRTSO                        ISPF Command Shell
Enter TSO or Workstation commands below:

===>



Place cursor on choice and press enter to Retrieve command

=>
=>
=>
=>
=>
=>
=>
=>
=>
=>


F1=Help      F3=Exit     F10=Actions  F12=Cancel
```

ONTOP PC UP and Down Menu

When selecting option 5 at the ONTOP Home Panel, the ISPF command shell is displayed to allow the user to use PC up- and download.
There must be IND$FILE on the host side and SEND/RECEIVE on the PC side.

This Option is used, to exchange data between Customer/IBM.
All data exchanged should be in tersed format and stay below 50MB.

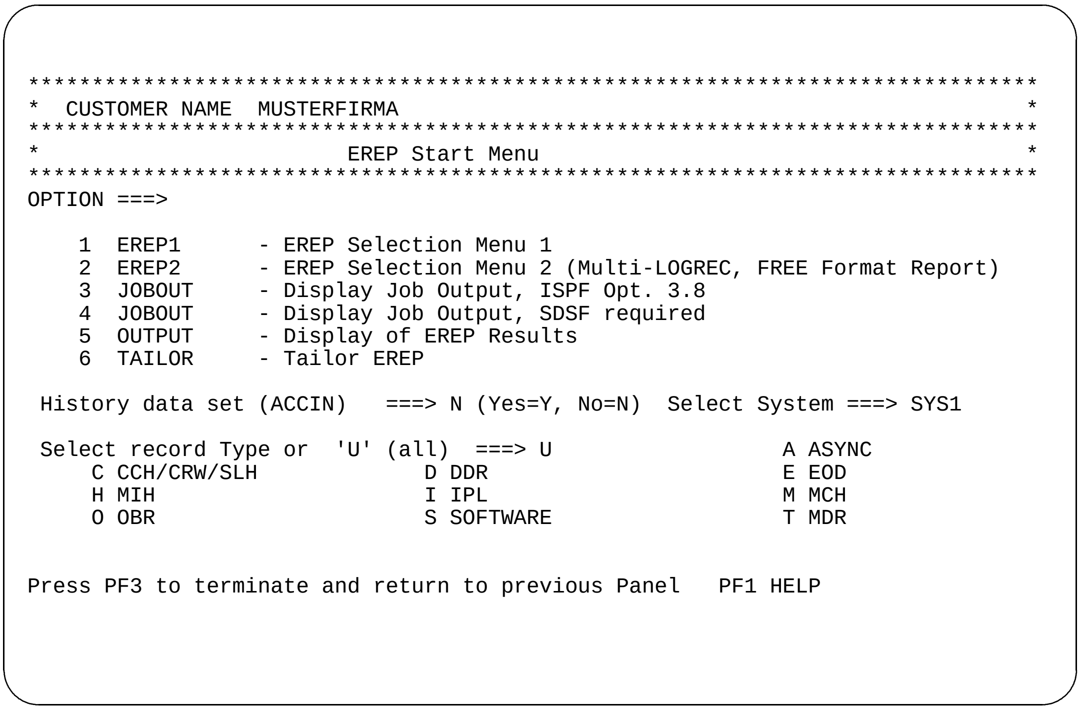
A typical exchange scenario is the transfer of IPCSPRNT data from Cust2IBM

After having run an IPCS session all the format data generated during the session is captured in uid.IPCSPRNT.TEMP and this data can be transferred to IBM for further analysis, by:

1. TERSE data (option 9 - output is suffixed by TERSED
2. DOWNLOAD data (option 5 - PC command C:\receive
3. UPLOAD data (option 5 - PC command C:\send
4. UNTERSE data

e.g. loading data from customer to PC
C:\receive ipscprnt.tmp x:'uid.IPCSPRNT.TEMP.TERSED'
e.g. loading data from PC to OS/390
C:\send ipcsprnt.tmp x:'uid.IPCSPRNT.TRS' recfm(f) lrecl(1024)
e.g. loading data from PC to VM
C:\send ipcsprnt.tmp x:IPCSPRNT TRS A (recfm f lrecl 1024

27.5 Using EREP

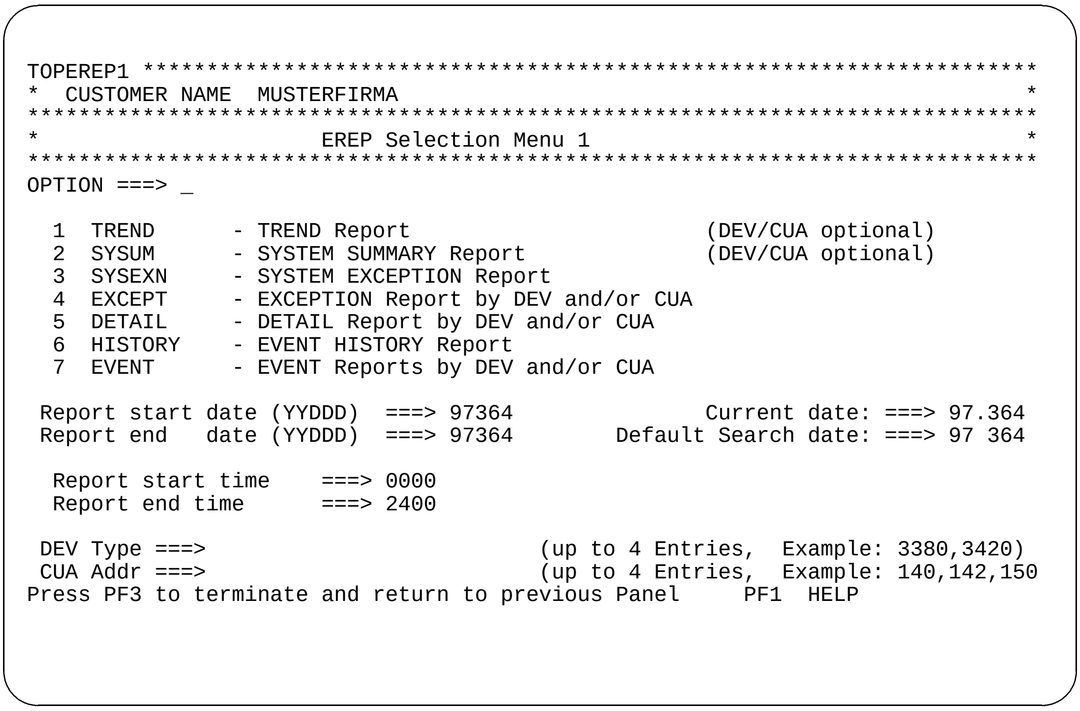


```
********************************************************************************
*  CUSTOMER NAME  MUSTERFIRMA                                                  *
********************************************************************************
*                        EREP Start Menu                                       *
********************************************************************************
OPTION ===>

    1  EREP1      - EREP Selection Menu 1
    2  EREP2      - EREP Selection Menu 2 (Multi-LOGREC, FREE Format Report)
    3  JOBOUT     - Display Job Output, ISPF Opt. 3.8
    4  JOBOUT     - Display Job Output, SDSF required
    5  OUTPUT     - Display of EREP Results
    6  TAILOR     - Tailor EREP

 History data set (ACCIN)   ===> N (Yes=Y, No=N)  Select System ===> SYS1

 Select record Type or  'U' (all)  ===> U                  A ASYNC
     C CCH/CRW/SLH             D DDR                       E EOD
     H MIH                     I IPL                       M MCH
     O OBR                     S SOFTWARE                  T MDR


Press PF3 to terminate and return to previous Panel   PF1 HELP
```

EREP Start Panel

Menu TOPEREP0 is the first EREP Option Menu.
It offers a bunch of EREP reports, display of EREP job output, display of EREP results and EREP tailoring.
Here only the EREP usage part is covered.

27.6 EREP Selection Menu 1

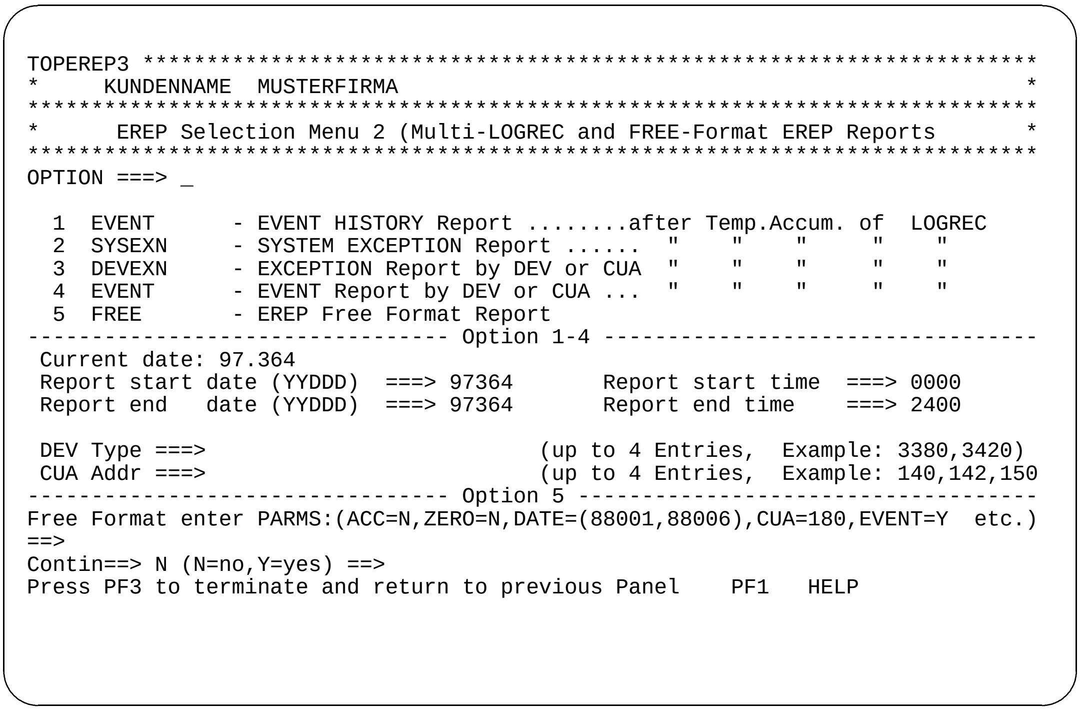


```
TOPEREP1 ***********************************************************************
*  CUSTOMER NAME  MUSTERFIRMA                                                  *
********************************************************************************
*                      EREP Selection Menu 1                                   *
********************************************************************************
OPTION ===> _

  1  TREND      - TREND Report                       (DEV/CUA optional)
  2  SYSUM      - SYSTEM SUMMARY Report              (DEV/CUA optional)
  3  SYSEXN     - SYSTEM EXCEPTION Report
  4  EXCEPT     - EXCEPTION Report by DEV and/or CUA
  5  DETAIL     - DETAIL Report by DEV and/or CUA
  6  HISTORY    - EVENT HISTORY Report
  7  EVENT      - EVENT Reports by DEV and/or CUA

 Report start date (YYDDD)  ===> 97364               Current date: ===> 97.364
 Report end   date (YYDDD)  ===> 97364        Default Search date: ===> 97 364

  Report start time    ===> 0000
  Report end time      ===> 2400

 DEV Type ===>                          (up to 4 Entries,  Example: 3380,3420)
 CUA Addr ===>                          (up to 4 Entries,  Example: 140,142,150
Press PF3 to terminate and return to previous Panel     PF1  HELP
```

Panel TOPEREP1

Menu TOPEREP1 is where predefined EREP reports can be selected.

27.7 EREP Selection Menu 2

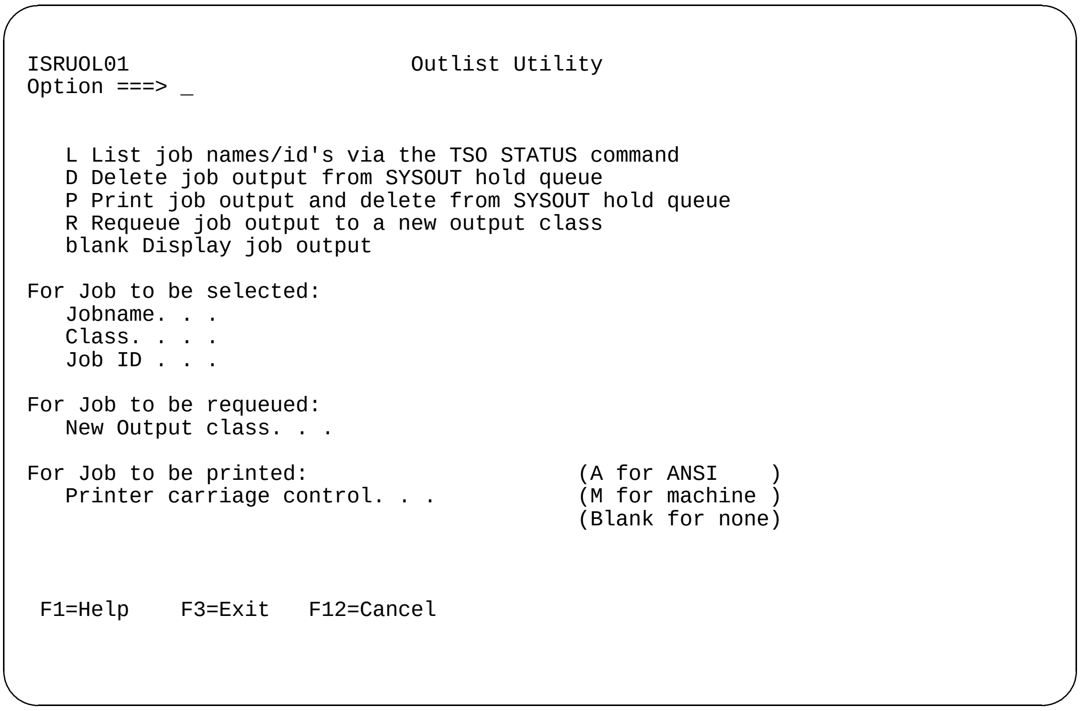


```
TOPEREP3 **********************************************************************
*     KUNDENNAME  MUSTERFIRMA                                                 *
*******************************************************************************
*      EREP Selection Menu 2 (Multi-LOGREC and FREE-Format EREP Reports      *
*******************************************************************************
OPTION ===> _

  1  EVENT      - EVENT HISTORY Report ........after Temp.Accum. of  LOGREC
  2  SYSEXN     - SYSTEM EXCEPTION Report ......  "    "    "     "    "
  3  DEVEXN     - EXCEPTION Report by DEV or CUA  "    "    "     "    "
  4  EVENT      - EVENT Report by DEV or CUA ...  "    "    "     "    "
  5  FREE       - EREP Free Format Report
--------------------------------- Option 1-4 ----------------------------------
 Current date: 97.364
 Report start date (YYDDD)  ===> 97364       Report start time  ===> 0000
 Report end   date (YYDDD)  ===> 97364       Report end time    ===> 2400

 DEV Type ===>                          (up to 4 Entries,  Example: 3380,3420)
 CUA Addr ===>                          (up to 4 Entries,  Example: 140,142,150
--------------------------------- Option 5 ------------------------------------
Free Format enter PARMS:(ACC=N,ZERO=N,DATE=(88001,88006),CUA=180,EVENT=Y  etc.)
==>
Contin==> N (N=no,Y=yes) ==>
Press PF3 to terminate and return to previous Panel    PF1   HELP
```

Panel TOPEREP3

Menu TOPEREP3 offers some predefined reports, as well, as the option to define reports in free format.

27.8 Outlist ISPF 3.8

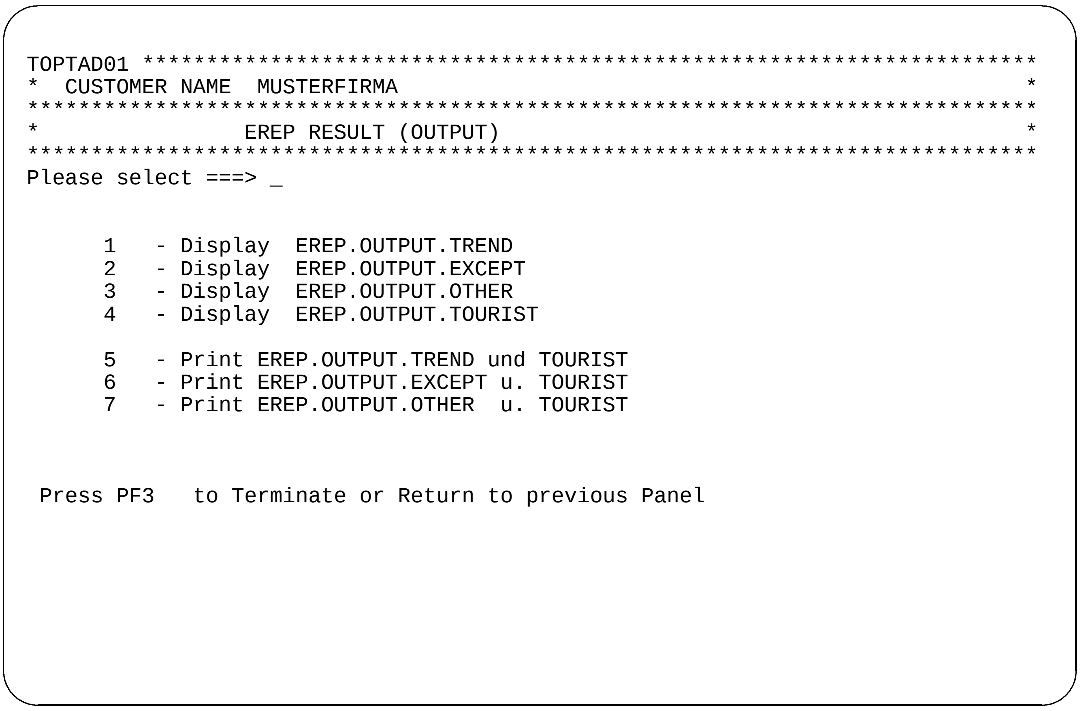


```
ISRUOL01                      Outlist Utility
Option ===> _


   L List job names/id's via the TSO STATUS command
   D Delete job output from SYSOUT hold queue
   P Print job output and delete from SYSOUT hold queue
   R Requeue job output to a new output class
   blank Display job output

For Job to be selected:
   Jobname. . .
   Class. . . .
   Job ID . . .

For Job to be requeued:
   New Output class. . .

For Job to be printed:                   (A for ANSI    )
   Printer carriage control. . .         (M for machine )
                                         (Blank for none)



 F1=Help    F3=Exit   F12=Cancel
```

ISPF Outlist 3.8

This Panel is the standard ISPF 3.8 panel. If there is no SDSF available, this panel has to be used to display job output.

27.9 TOPTAD01 EREP Output Reporting

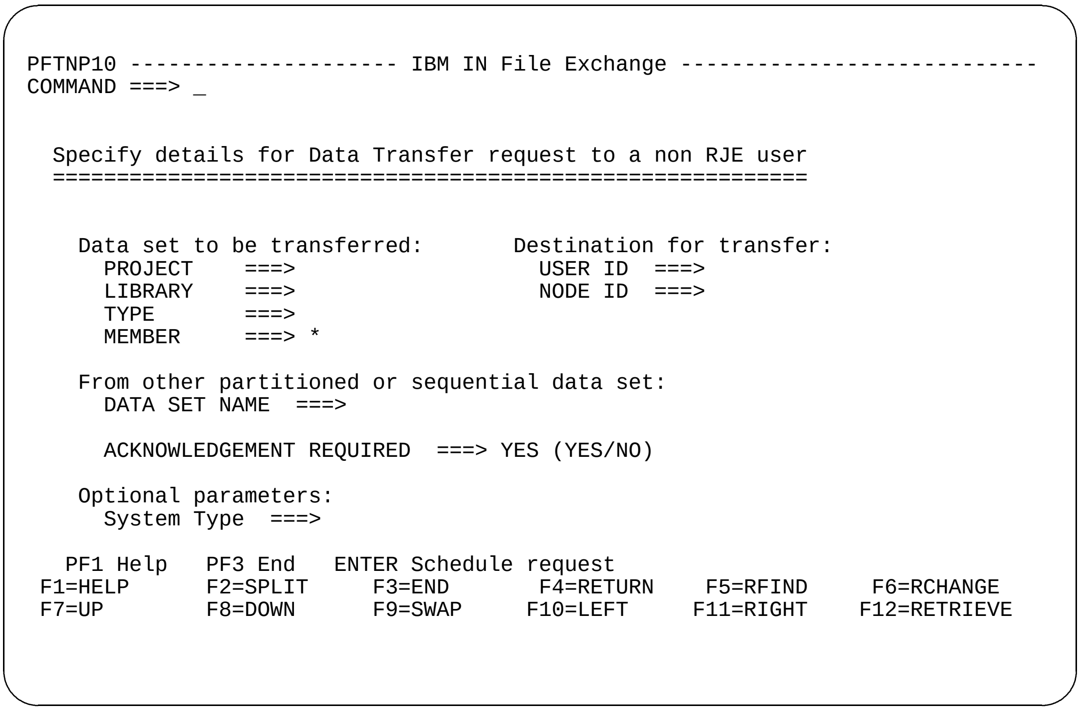


```
TOPTAD01 ***********************************************************************
*  CUSTOMER NAME  MUSTERFIRMA                                                  *
********************************************************************************
*                EREP RESULT (OUTPUT)                                          *
********************************************************************************
Please select ===> _


      1   - Display  EREP.OUTPUT.TREND
      2   - Display  EREP.OUTPUT.EXCEPT
      3   - Display  EREP.OUTPUT.OTHER
      4   - Display  EREP.OUTPUT.TOURIST

      5   - Print EREP.OUTPUT.TREND und TOURIST
      6   - Print EREP.OUTPUT.EXCEPT u. TOURIST
      7   - Print EREP.OUTPUT.OTHER  u. TOURIST



 Press PF3   to Terminate or Return to previous Panel
```

Panel TOPTAD01

The EREP Output Reporting Panel is where you can display and print EREP reports.

27.10 Using IFX

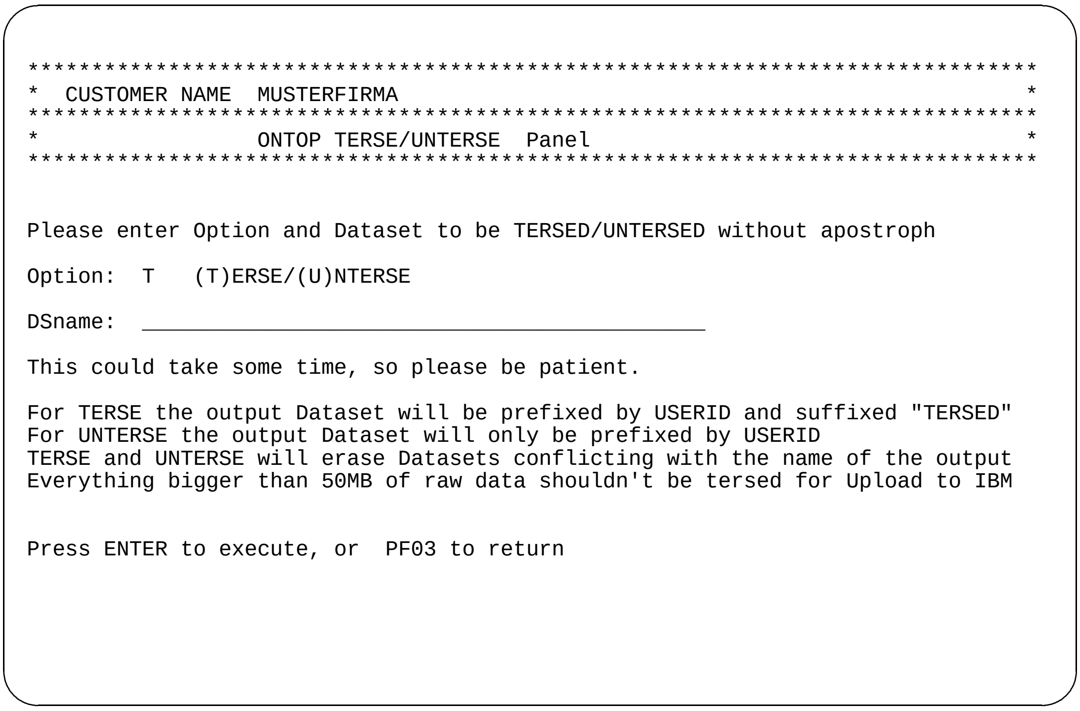


```
PFTNP10 --------------------- IBM IN File Exchange ----------------------------
COMMAND ===> _


  Specify details for Data Transfer request to a non RJE user
  ===========================================================


    Data set to be transferred:       Destination for transfer:
      PROJECT    ===>                   USER ID  ===>
      LIBRARY    ===>                   NODE ID  ===>
      TYPE       ===>
      MEMBER     ===> *

    From other partitioned or sequential data set:
      DATA SET NAME  ===>

      ACKNOWLEDGEMENT REQUIRED  ===> YES (YES/NO)

    Optional parameters:
      System Type  ===>

   PF1 Help   PF3 End   ENTER Schedule request
 F1=HELP      F2=SPLIT     F3=END       F4=RETURN    F5=RFIND     F6=RCHANGE
 F7=UP        F8=DOWN      F9=SWAP     F10=LEFT     F11=RIGHT    F12=RETRIEVE
```

Panel PFTNP10

If the IFX end user interface for NJE is installed, than this interface can be added to ONTOP, to allow ONTOP users to send data to IBM.

27.11 Using TERSE



```
********************************************************************************
*  CUSTOMER NAME  MUSTERFIRMA                                                  *
********************************************************************************
*                 ONTOP TERSE/UNTERSE  Panel                                   *
********************************************************************************


Please enter Option and Dataset to be TERSED/UNTERSED without apostroph

Option:  T   (T)ERSE/(U)NTERSE

DSname:  ____________________________________________

This could take some time, so please be patient.

For TERSE the output Dataset will be prefixed by USERID and suffixed "TERSED"
For UNTERSE the output Dataset will only be prefixed by USERID
TERSE and UNTERSE will erase Datasets conflicting with the name of the output
Everything bigger than 50MB of raw data shouldn't be tersed for Upload to IBM


Press ENTER to execute, or  PF03 to return
```

Panel TERSE

Along with ONTOP the IBM tool to pack data, called TERSE is delivered. This panel can be used to invoke the tool.

28. Reader's Comments

ONTOP V7R3M3

Use this form to tell us what you think about this manual. If you have found errors in it, or if you want to express your opinion about it (such as organization, subject matter, appearance) or make suggestions for improvement , this is the form to use.

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Reader’s Comment

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Reader Comment 2

A

Adapting control Files, 37
  Adjust TOPENV01, 38
  Logon Procedure TOPLOG, 37

C

Copyright, 6

D

Dump Environment Philosophy, 18
  Description of Dump Environment Philosophy, 19
  Layout of Dump Environment Philosophy, 18

E

Examples of Control Tables, 20
  Data Set Allocation Control Table TOPENV03, 21
  Dump Environment Control Table TOPENVT0, 20

I

Important message to the customer, 60
Inspecting EXECs, 39
  Qualifier EXEC TOPQUAL, 41
  TOPFIRST ONTOP first EXEC, 39
  TOPIPCSA ONTOP IPCS Allocation EXEC, 44
  TOPPROI ONTOP House Keeping EXEC, 43
Introduction, 11
IPCS points of view, 24. *See Also* products in BLSCECT
  IMBED part for, 26
  IMS home panel, 28
  IPCS component handling, 25
  IPCS Component panel BLSCOMP, 27
  IPCS standard PARMLIB members, 24
  IPCS VERB EXITS at BLSCECTX, 26

L

Loading ONTOP, 35
  Install ONTOP from Diskette, 35
  Installation via Internet, 36
  Remote installation by the ONTOP-Team, 36

O

ONTOP Customization, 46
  Customization of ONTOP Command Tables, 57
  Customization of ONTOP Home Panel TOPHOME, 53
  Customize Allocation Control Tables TOPENV01-nn, 50
  Customize Browse Data Sets, 47
  Customize Customer Name, 47
  Customize Dump Environment Control Table, 49
  Customize ONTOP Interface to IFX, 56
  Customize ONTOP Interface to SDSF, 55
  Customize the LOGON permission member TOPALLOW, 48
  ISPF Command Table Modification Panel for BLSGCMDS, 59
  ISPF Command Table Modification Panel for TOPCMDS, 58
ONTOP Data sets, 30
  Permanent Data Sets, 30
  TEMP Data Sets, 30
ONTOP dump environment switching, 16
  Description of ONTOP environment switching flow, 17, 60
  ONTOP dump environment switching flow, 16
ONTOP EREP Tailoring, 61
  EREP Tailoring, 63
  Start at TOPHOME, 61
  Start Menu, 62
ONTOP Interface to customer environment, 64
  ONTOP Customer Interface Start EXEC LIBSTART, 65
ONTOP IPCS startup, 22
  Description of ONTOP IPCS startup, 23
ONTOP members who matter, 29
  Control Members, 29
  EXEC's, 29
  ISPF Command Tables, 29
  JCL, 29
ONTOP Security, 7
  Customer site, 7
  IBM site, 7
ONTOP startup, 13
  Description of ONTOP startup flow, 14
  ONTOP startup flow, 13

R

RACF setup for ONTOP, 32
  ADD a Profile for ONTOP, 33
  Maintain the access list, 34
  Maintenance Userid/Dedicated HLQ, 32
  ONTOP access list, 34
  Work Userids, 32
Reader's Comments, 86
Requirements for Online Support, 9
  Network Prerequisites, 9
  ONTOP MVS Connection Overview, 10
  Software Prerequisites, 9
Responsibilities/Deliveries, 8

S

Steps to activate ONTOP, 31

U

Using description, 67
  - **EREP Selection Menu 1, 79**
  - **EREP Selection Menu 2, 80**
  - **Outlist ISPF 3.8, 81**
  - **TOPTAD01 EREP Output Reporting, 82**
  - **Using EREP, 78**
  - **Using IFX, 83**
  - **Using IPCS, 70**
  - **Using ONTOP Edit, 69**
  - **Using PC UP and Down, 77**
  - **Using SPLIT, 85**
  - **Using TERSE, 84**

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